



Delta Code Immersive

Build a standout coding portfolio with exclusive mentors from **Microsoft, Google, and CitiBank**



Through Delta Institute, our students don't just learn about technology and leadership—they build it as they create real-world projects that demonstrate initiative, technical skill, and impact.

Here are the results of acceptances from our past Delta Institute alumni:



Admissions Impact

4300+

Students enrolled in our programs

1000+

Successful admissions to top universities

15+

Programs in diverse industries



UPenn



Yale



Brown



Cornell



Stanford



UCLA



LSE



King's College London



Northeastern



Northwestern



NYU



Imperial College London



Cambridge

Hear directly from our students!



www.deltainstitute.co/testimonials

"This was a valuable experience! The mentors guided me through every challenge I faced, helping me successfully complete my AI project based on music."

SORA IHARA

Delta AI Alumni

"My favorite part was being able to create my own project based on my interests. I also really appreciated the support in making slides, understanding how coding works, and learning how AI is applied in projects."

RIO MURAKATA

Delta AI Alumni

More testimonials: [Delta Spotlight Series](#)

www.deltainstitute.co



Meet the **Industry Experts**

Have the opportunity to work with and hear from **mentors at leading institutions and companies creating the coding revolution.**



Brinda

**Data Scientist at
Microsoft, LLM & AI
Specialist**



Marc

**Research Assistant at
NUS**



Ankita

**Software Engineer at
Google**



Zhijun

**Software Engineer at
LinkedIn & Tencent**

Bilingual (EN / CN)



Carson

**Software
Engineering at Apple**



Tomas

**Data and Applied
Scientist at Microsoft**



Jianyu

**Senior Software
Engineer at Autodesk**

Bilingual (EN / CN)



Shubham

**Software Engineer at
Huawei**



Awad

**Staff Software
Engineer at Tesla**

Students work with mentors from **leading tech companies** driving the AI revolution.



Why Choose

Delta Code Immersive



Embark on a **25-hour, one-on-one coding journey tailored exclusively for you.** With flexible start dates, you can begin whenever it suits you—perfect for both beginners and experts.



Flexible curriculum that starts at your level

One class every week to be followed by assignment and extra study material.



Flexible schedule with 1 to 2 hour sessions

Invitation to join 3 masterclasses led by industry experts.



Expert mentors from Microsoft, Google, and CitiBank

Masterclasses from leading AI researchers and other industry professionals



Portfolio ready live project and public GitHub repo

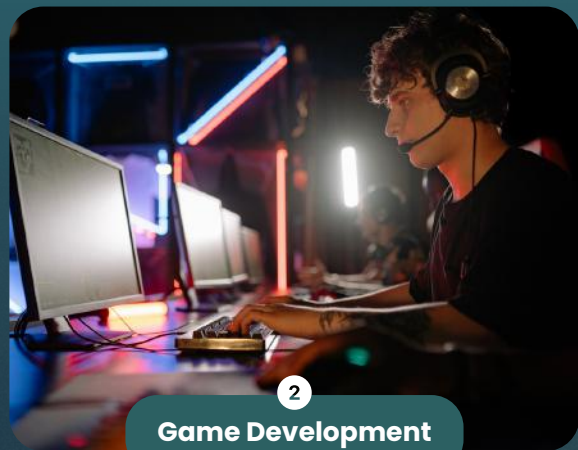
Pathway Options

Pick a pathway—**web, app, game, or data science**—and turn your passion into a portfolio-ready project.



Web Development

Build responsive, real-world websites using modern front-end and back-end tools.



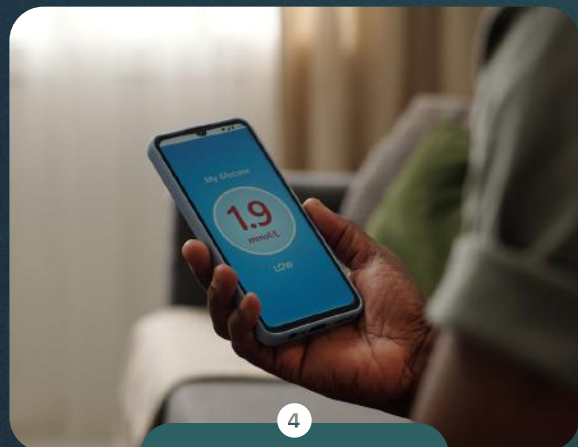
Game Development

Design and build playable games while learning logic, mechanics, and interactive systems.



Data Science

Analyze real datasets to uncover patterns, insights, and data-driven decisions.



App Development

Create functional apps that solve real problems, from concept to working product.

What You Will

Achieve

The **12-week** Immersive program provides **personalized, one-on-one mentoring** and a **flexible schedule**.

Students create an industry-specific solution, receive expert project evaluations, and benefit from an advanced curriculum and detailed feedback.

Who This Is For

High school students who want a personalized path to a **real coding project** and artifacts that **strengthen college applications and interviews**.



Build confidence with real-world tools (Python, GitHub, CSV)



Personalized project development based on student interests



Hands-on experimentation with relevant coding frameworks and tools



Ongoing mentored support and feedback



Mentor recommendation letter

How Mentoring Works



Your Dedicated Mentor, **Your Pace**

Every student is matched with a single dedicated mentor from companies like **Google, Microsoft, or NVIDIA** who stays with them for the entire journey.

It is **25 hours of 1:1 sessions** where your mentor learns how you think, adapts to how you work, and pushes you at exactly the right pace.

Start From **Your Level**

Your mentor **assesses your starting point** in the first session and **builds a custom curriculum from there**.



BEGINNER

Guided no code to low code, curated datasets



INTERMEDIATE

Python notebooks, prompt design, RAG, light finetuning



ADVANCED

Custom pipelines, lightweight APIs, deployment reliability

How Sessions **Work**



Session schedule

1 to 2 hours, flexibly arranged around your school calendar and timezone



Weekly structure

Mentor sets milestones, assigns targeted homework, and reviews progress each session



Personalized path

No fixed syllabus—your mentor builds and adjusts the learning plan around your project each week

Program Structure

Code Immersive offers **25 hours** of **1:1 mentorship from an industry expert** and most students complete it in **10 – 12 weeks**.

A Learning Experience Built Around You

- **Learn at your own pace** with flexible scheduling.
- **All ages welcome** – middle school through adult learners.
- **Every skill level** – from your first line of code to advanced projects.
- **Custom learning path** – tailored to your unique goals.



Onboarding & Mentor Matching

We assess your technical background, availability, and interests via an intake form and intro call, then pair you with the ideal mentor for your chosen pathway (web, mobile, or game development).



Foundations & Project Discussion

You will build core coding knowledge with your mentor while refining your project's scope, tools, and timeline.



Backward Problem Solving

Your mentor creates a tailored learning plan based on your project goals. Together, you break the project into clear, manageable milestones.



Project Implementation

Start building your project with hands-on mentor support. This stage includes coding, debugging, feature development, and regular feedback.



Final Project & Preparation

Polish your project, refine documentation, and prepare for presentation. You will also practice explaining your work clearly and confidently.



Demo Day, Expert Feedback, Recommendation Letter

Present your completed project to an industry expert and receive feedback on your work. Outstanding projects may be considered for a recommendation letter.

Support Beyond Sessions

- 📧 After-hours email and chat support from mentors.
- 📱 Messaging, Scheduling Sessions via CrimsonApp.
- ⏸ Ability to Pause program during busy times (exam season etc).
- 🏠 Be part of Delta AI Discord Community.



S.M.

TOOLS USED & SKILLS GAINED

Technical Skills:

- **Python** programming fundamentals
- **Data** cleaning and preprocessing
- Feature **engineering and encoding**
- **Cosine similarity** implementation
- **Content-based filtering** logic

MENTORS FROM



Background

Interested in
Economics.Interested in
**Python
programming.**No prior
experience in
Coding.

From beginner to builder

Anime Recommender System

S.M. built a **personalized anime recommender system** designed to help users discover shows that match their viewing preferences.

Your Preferences

Genres (select multiple)

- | | | |
|--|---------------------------------------|---------------------------------------|
| ☒ Action | ☐ Adventure | ☐ Cars |
| ☐ Comedy | ☐ Dementia | ☐ Demons |
| ☐ Drama | ☐ Ecchi | ☐ Fantasy |
| ☐ Game | ☐ Harem | ☐ Hentai |
| ☐ Historical | ☐ Horror | ☐ Josei |
| ☐ Kids | ☐ Magic | ☐ Martial Arts |
| ☐ Mecha | ☐ Mystery | ☐ Music |
| ☐ Sports | ☐ Supernatural | ☐ Thriller |

Type

Any

Rating

Any

Year From

1917

Year To

2022

Max Duration (minutes per episode)

e.g., 30

Minimum Score (0-10)

e.g., 8.0

Patapata Hikousen no Bouken

48.6% match

Genres: Adventure, Sci-Fi Type: TV
Rating: PG-13 - Teens 13 or older Year: 2002
Duration: 24 min/ep Score: 7.61/10
Episodes: 26

Igano Kabamaru

46.0% match

Genres: Action, Adventure, Comedy, Type: TV
Romance, School, Shounen
Rating: PG-13 - Teens 13 or older Year: 1983
Duration: 23 min/ep Score: 7.86/10
Episodes: 24

City Hunter 3

42.8% match

Genres: Action, Comedy, Mystery, Type: TV
Shounen
Rating: PG-13 - Teens 13 or older Year: 1989
Duration: 24 min/ep Score: 7.87/10
Episodes: 13

Black Jack 21

42.7% match

Genres: Action, Drama Type: TV
Rating: PG-13 - Teens 13 or older Year: 2006
Duration: 24 min/ep Score: 7.60/10
Episodes: 17

"It was **challenging** yet **fulfilling**."

"When I was first able to generate a graph picture from my coding, I was really happy, because I thought it was a really professional thing. I was unfamiliar with it at first, but after I was able to operate some commands in Python, I felt more confident in programming."

— AJSEL



Mentor Matching



Dabeer A.,
Software Engineer



Example Projects

FINANCE

Web Development



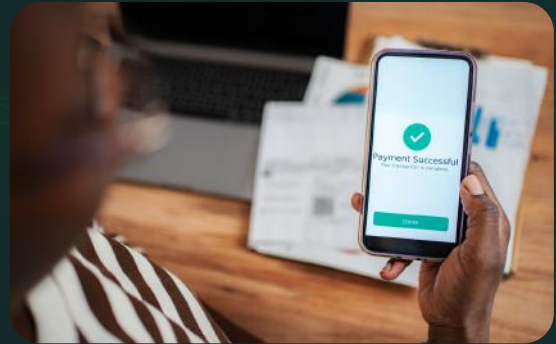
Personal Finance Tracker

A web dashboard to log income, track expenses, and visualize spending habits.

- Categorizes transactions and shows spending trends
- Sets budget goals and sends progress alerts

ECONOMICS

App Development



App to Connect Users with Micro-loan Opportunities

A mobile platform connecting borrowers with individual lenders for microloans.

- Lets borrowers create requests and lenders fund them
- Tracks repayments and sends updates

LITERACY

Game Development



Educational Game to Teach Vocabulary and Spelling

An interactive game where players spell words and match definitions to level up.

- Adapts difficulty and rewards streaks
- Includes spelling bee and word matching mini-games

COMMUNITY

Data Science



Community Needs Forecasting

A predictive model that forecasts demand for community services like food aid or job training.

- Analyzes indicators like unemployment to predict needs
- Displays forecasts on a dashboard by neighborhood



Which **Delta Code** program is right for you?

Details	Delta Code Intensive (Cohort)	Delta Code Immersive (1:1)
Best for	Cohort-based learning to build a coding project.	Personalized, in-depth coaching for advanced technical projects.
Schedule & Duration	6 Weeks on Sat/Sun. Tailored to global time zones.	Flexible; Scheduled as per student availability.
Mentorship	• Group sessions (6:1 ratio) • 2x 1:1 mentoring sessions • Email support and office hours.	• 25 hours of 1:1 mentoring • Takeaway Assignments • Email support and office hours.
Outcomes	• Personal Project • Recommendation Letter • White Paper	• Advanced Project • Recommendation Letter • White Paper • Industry Panel Review
Price (USD)	\$2200	\$4800

Delta Code **Intensive**

Build and launch a real coding project in a structured, cohort-based program. Develop and deploy an application, document your work on GitHub, and present your final product at Demo Day.

USD 2,200

Delta Code **Immersive**

Create a fully personalized software project with 1:1 mentorship, from idea to deployment. Build a production-ready application, publish a complete GitHub portfolio, and earn a mentor recommendation letter.

USD 4,800

Get Started

Scan the QR code below!



admissions@deltainstitute.co