

Kenji Okura

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EDUCATION

Pace University, Seidenberg School of Computer Science and Information Systems **Pleasantville, NY**
Master of Science (MS) in Computer Science December 2026

Pace University, Seidenberg School of Computer Science and Information Systems **Pleasantville, NY**
Bachelor of Science (BS) in Computer Science | **Concentration:** Web Design | **GPA:** 3.84 | **Honors:** Dean's List May 2024

TECHNICAL SKILLS

Programming Languages: Java, Python, R, C#

Web Design: JavaScript, TypeScript, HTML, CSS

Platforms/Frameworks/Libraries: React Native, React, Shiny, Expo, Ionic Framework, Vue, Ant Design, AWS, Node JS, GitHub, Jira, WordPress, Grafana, Fastify, FastAPI

Artificial Intelligence: Visual Image Recognition

PROJECTS

[AquaWatch Mobile](#) **September 2023 – September 2024, January 2025 - Present**

- Developed an application with a team of 4 allowing users to access real time data about water quality through a mobile app
- Implemented data visualization with Victory Native, to visualize water quality data by creating charts that update monthly
- Incorporated Artificial Intelligence (AI) to visually identify invasive water species that would affect balance of the ecosystem

[Next 100 Launches!](#) **November 2023 – January 2024**

- Coded a mobile web application to visually display 100 rocket launches using the Ionic Framework in React
- Introduced new features in an iterative fashion through wireframing, testing, and research resulted in features such as searching and web local storage to increase app usefulness

PROFESSIONAL EXPERIENCE

IBM **Armonk, NY**
Software Development Intern May 2025 – Present

- Full stack developer for an internal project under F&O/CIO.

Blue CoLab **Pleasantville, NY**
Senior Student Software Engineer January 2025 – Present

- Converted AquaWatch Mobile app to new graphing libraries reducing the load time and less external services used
- Migrated AquaWatch Mobile app to TypeScript allowing developers to have less development issues
- Collaborated on multiple teams further developing kiosk and Grafana dashboards

Iona University Science and Technology Entry Program (STEP) **New Rochelle, NY**
Technical Instructor July 2023 – Present

- Lead 4 classes of 16-23 middle and high school students, teaching programming concepts through creative coding using JavaScript and p5.js (2024-2025)
- Taught 3 classes of ~7 high school students, introducing them to data analysis in Python, Pandas, and Matplotlib (2023-2024)
- Co-led a class of 10 students introducing them to Java through self-developed games (July 2023)

Phormulary **San Diego, CA (Remote)**
Full Stack Developer March 2024 – October 2024

- Collaborated with 4-person agile team using Jira to develop a compounding database using Ant Design/React (frontend); ExpressJS (backend) both hosted on an Amazon EC2 instance; with Postgres database on Amazon RDS
- Improved structure and design of codebase for better maintainability and scalability
- Engineered a custom export service converting database to PDF using HTML, Handlebars, and Puppeteer to allow pharmacies access to data as backup access

VOLUNTEERING

Referee - FIRST Robotics February 2023 – Present