

# Kenji Okura

Eastchester, NY 10709 | [okurakeng@gmail.com](mailto:okurakeng@gmail.com) | [LinkedIn](#) | [Portfolio](#) | [GitHub](#)

## EDUCATION

Pace University, Seidenberg School of Computer Science and Information Systems Master of Science (MS) in Computer Science	Pleasantville, NY December 2026
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Pace University, Seidenberg School of Computer Science and Information Systems Bachelor of Science (BS) in Computer Science   Concentration: Web Design   GPA: 3.84   Honors: Dean's List	Pleasantville, NY May 2024
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## TECHNICAL SKILLS

**Programming Languages:** Java, Python, R, C#

**Web Design:** JavaScript, TypeScript, HTML, CSS

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

**Artificial Intelligence:** Visual Image Recognition

## PROJECTS

<a href="#"><b>AquaWatch Mobile</b></a>	September 2023 – September 2024, January 2025 - Present
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- Developed an application with a team of 4 allowing users to access real time data about water quality through a mobile app
- Implemented data analytics tool, R, 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

<a href="#"><b>Next 100 Launches!</b></a>	November 2023 – January 2024
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- 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

<b>IBM</b> Software Development Intern	Armonk, NY May 2025 – Present
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- Full stack developer for an internal project under F&O/CIO.

<b>Blue CoLab</b> Senior Student Software Engineer	Pleasantville, NY January 2025 – Present
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- 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

<b>Iona University Science and Technology Entry Program (STEP)</b> Technical Instructor	New Rochelle, NY July 2023 – Present
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- 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)

<b>Phormulary</b> Full Stack Developer	San Diego, CA (Remote) March 2024 – October 2024
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- 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

<b>VOLUNTEERING</b> Referee - FIRST Robotics	February 2023 – Present
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