

I am a software engineer especially interested in building magical responsive experiences, and shipping reliable applications.

Technologies and Languages

- Languages: JavaScript/TypeScript, Python, C++, C
- Technologies: React, Node.js, Next.js, MySQL, Postgres, AWS, Git, Figma
- Other: Data structures and algorithms, Linux, Debian

Work Experience

Junior Software Engineer **Def Method Inc.** **June 2021–April 2023**
New York, NY

- Increased viewership by 10% by implementing a live video stream web display using hls.js within a React application with a scorecard overlay that displayed real-time game data retrieved using internal API calls
- Doubled API integration development speed by constructing TypeScript interfaces for strict type checking of game statistics, video feeds, and player data to identify data format errors in real-time during the development phase
- Facilitated navigation and user data entry by implementing dozens of React UI components for team roster management, player profiles, event scheduling workflows, and administrative dashboards
- Attained 25% better cross-device usability by building responsive React components with custom hooks that dynamically adjusted layouts for different screen sizes
- Reduced bugs by practicing test-driven development across all new features using Jest and ts-jest for writing tests in TypeScript
- Decreased bug resolution time by regularly collaborating with QA team to systematically identify and resolve cross-browser and responsive design issues
- Minimized production rollback time from hours to minutes by integrating a feature flag system for granular control of UI feature deployment
- Expanded financial portfolio coverage by 5% by creating automated authentication systems using Selenium WebDriver and TypeScript (ported over from Python) for long-tail institutions

Software Engineer Intern **humanID** **August 2020–June 2021**
New York, NY

- Brought 100% more visibility to user behavior data by integrating Google Analytics (Firebase/GCP) into Java Android application using Kotlin API and implementing data visualizations using Retool, JavaScript, and SQL

Education and Certifications

- **M.S. Computer Science**, CUNY Brooklyn College, Brooklyn, NY. **August 2023–May 2025**
- **B.A. Computer Science**, University of Colorado, Boulder, CO. **August 2015–August 2020**

Projects

- **Portfolio website** - responsive website to showcase projects. Leveraged WebGL/ThreeJS to make an interactive animated background and integrated it into a React/Next.js web application deployed on Vercel
- **Algorithm visualizer** - interactive quicksort visualizer built using React, TypeScript, Tailwind, and Next.js, and deployed on GitHub Pages