Tanner Tovey

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Education

Georgia Institute of Technology | Atlanta, GA
2025 – Current: Master of Science in Computer Science
Relevant Coursework – Intro to Information Security, Artificial Intelligence for Robotics

College of Coastal Georgia | Brunswick, GA
2020 – 2022: Bachelor of Science in Health Informatics: Minor in Data Analytics
Relevant Coursework - Computing for Scientist and Engineers, Foundation of Data Science, Computer Science I, Computer Networks and Applications for Business, Calculus I, Probability & Statistics, Python for Data Analytics, Database Management Systems, Intro to Philosophy, Intro to R Programming

Experience

United Health Group / Optum   *Feb 2023– May 2025*
Software Engineer Associate

- Developed a consumer-facing product used by doctors and medical professionals, reducing potential security vulnerabilities and improving code readability
- Upgraded user interface for an engineering administration tool from Angular 8 to 17 and removed deprecated code to lower tech debt and increase code maintainability
- Communicate with business partners to identify and implement features needed in application that suit patient, user, and business needs
- Operated with an end-to-end technology stack (Java/SpringBoot, Typescript/Angular) to create clinical performance technology
- Conducted code reviews for peers, identifying bugs and providing constructive feedback on code logic and performance to allow code to successfully be merged into higher development environments and deployment pipelines through Github Actions, Jenkins, Kubernetes, Docker and Azure
- Produced comprehensive documentation for the application's operation and development environment setup, keeping track of things like workarounds to bugs, environment variables and keys, architecture for API's, etc.

United Health Group / Optum   *June 2022– Jan 2023*
Software Engineer Intern

- Intern in the TDP program at Optum, part of UnitedHealth Group, working as a full stack engineer focusing on site reliability
- Worked with a team of engineers utilizing Agile methods, such as having sprints, sprint reviews, playing the role of scrum master, assigned work from product manager, etc
- Utilized company resources and code to expand upon the work of senior engineers, for example, extending the capabilities of a cert scanner app into an API, which increased the app's availability to any employee at Optum, allowing them to see expiring certifications
- Built out a full stack application using Django and React called Monitone, which uses micro-service architecture for three different API's that supply the React front-end to create a hub for site reliability services
- Helped onboard and mentor two associate software engineers with pair programming, code reviews, technical discussions, etc
- Main contributor and architect of project

Code Platoon Full Stack Boot Camp | Chicago, Illinois   *Jan 2022 – May 2022*
Teaching Assistant Intern
- Aided instructors and tutored boot camp students over course material including Python-Django and JavaScript-React
- Participate in weekly instructor meetings to determine student progress and overall course quality
- Pair programming with students to practice being the "driver" and "navigator"
- Lead "breakout sessions" where a TA is responsible for a small group of students going over a specific topic

Skills
Programming: Java, Python, Typescript, JavaScript, SQL, HTML, CSS
Platforms: Windows, Linux (Ubuntu), Mac
Software: VsCode, IntelliJ, GitHub + Copilot, Git, Jenkins, Databricks, Cosmos, Docker
Frameworks: Angular, Springboot, Flask, Django, React, Bootstrap, MaterialUI