

Tony Drayton

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EDUCATION

Drexel University

Bachelor of Science in Computer Science

Philadelphia, PA

Anticipated Graduation: June 2027

- **GPA:** 3.81
- **Concentration:** Software Engineering, Machine Learning
- **Relevant Coursework:** Data Structures, Object Oriented Computer Programming, Advanced Programming Tools & Techniques, Math Foundations of Computer Science, Intro to Software Eng & Dev

EXPERIENCE

Software Engineer Co-op

Comcast

April 2025 – Sep. 2025

Mt. Laurel, NJ

- Developed an interface that queries our Cassandra database for specific devices and displays their data in a humanly readable format
- Worked with a team of 5 other interns to design and present an integrated feature that fetches and displays TV show and cast information on Xfinity X1 devices to over 100 engineers
- Investigated and resolved a critical issue that affected over 100,000 customers where their WiFi devices unexpectedly reset to its default network configuration

Junior Software Engineer

AlumnIQ

April 2024 – Sep. 2024

Philadelphia, PA

- Designed and implemented three webhook mail handlers, efficiently processing over 100,000 emails monthly and enhancing system responsiveness
- Led the migration of over 30 different AWS Lambda functions from CommonJS (CJS) to ECMAScript Modules (ESM), significantly enhancing code maintainability and interoperability
- Enhanced software quality by developing extensive test cases and resolving over 10 critical bugs, resulting in improved system reliability and performance
- Engaged with customers at in-person events to gather valuable feedback, driving feature enhancements and significantly improving user experience

PROJECTS

DragonGPT | *Next.js, TypeScript, OpenAI, Flask, Python, Figma*

Oct. 2024 – March 2025

- Built and designed the user interface for DragonGPT, an AI powered bot that could help answer any Drexel related questions
- Gathered and analyzed feedback from over 50 users on the chatbot's performance, leading to a 30% increase in engagement
- Presented the project at Startup Fest 2024 to six judges to compete for a cash prize of over \$5,000

Vaeleth Discord Bot | *Node.js, SQLite, Discord API*

Feb. 2019 – Jan. 2022

- Developed and launched a Discord bot utilizing Node.js, SQLite, and Discord API, starting with minimal coding experience in 2019 and achieving verification on Discord in 2020
- Designed and implemented various features including an RPG economy system and moderation modules, contributing to its popularity among over 100,000 users across 200 servers at its peak
- Managed the project from the beginning while being a highschool student and athlete

TECHNICAL SKILLS

Tools: Node.js, Git, Figma, AWS, SQL, Redis, MongoDB

Languages: JavaScript, TypeScript, Python, C, Java, CFML, HTML/CSS

Libraries: React, Next.js, jQuery, Django, Tailwind, JUnit, Jest

HONORS & AWARDS

Scholarship: Drexel University Grant

Honors (Sep 2022 - March 2025): Drexel University Dean's List Recognition

Honors (Sep 2019 - June 2022): Deptford Township High School Principal's List Recognition