

Tony Drayton

(856) 217-1347 | td686@drexel.edu | linkedin.com/in/tony-drayton | github.com/tonydrayton | tonydrayton.dev

EDUCATION

Drexel University

Bachelor of Science in Computer Science

Philadelphia, PA

Anticipated Graduation: June 2027

- **GPA:** 3.73
- **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

Junior Software Engineer

April 2024 – Sep. 2024

AlumnIQ

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

Adopteam | *Next.js, TypeScript, AI, Flask, Python*

April 2024

- Built a user-friendly interface for Adopteam, a platform using AI to match users with adoptable children
- Collaborated closely with backend developers to integrate a Flask API, improving matching accuracy for adoptive families by over 40% using AI classification algorithms
- Successfully delivered a fully functional product within 36 hours at the 2024 Drexel Hackathon, contributing to a project that impressed both judges and participants

Music at Drexel | *React, Express, MongoDB*

Jan. 2023 – June 2023

- Directed the development a website named Music at Drexel for students to share their work
- Modernized the design, leading to a 75% improvement in user satisfaction, based on user feedback and surveys
- Employed enhanced security measures for user data by using both frontend and backend protection

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 to its discontinuation in 2022, showcasing adaptability and commitment despite personal challenges

TECHNICAL SKILLS

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

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

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

HONORS & AWARDS

Scholarship: Drexel University Grant

Honors (Sep 2022 - March 2024): Drexel University Dean's List Recognition

Honors (Sep 2019 - June 2022): Deptford Township High School Honor Roll Recognition