

Chantakrak (Tak) Ath-Ly

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EDUCATION

Centre College

Aug 2019 - May 2023

Bachelor of Science, Computer Science

Relevant Coursework: Artificial Intelligence, Computer Networking, Algorithms, Software Designs, Database Systems, Data Structures, Systems Programming, Web, Data, and Design

Honors and Awards: Cum Laude, Computer Science Class Representative of 2023 (2021-23), Dean's List (2019-23), Posse Foundation Full-Tuition Leadership Award (2019-23)

SKILLS

Languages: Python, JavaScript, Java, SQL

Other: Git, NodeJS, HTML, CSS, JIRA, Linux, ExpressJS, ReactJS, React Native, MongoDB, TypeScript, JUnit

RELEVANT EXPERIENCE

Teradyne, Inc.

Dec 2023 - Present

Engineering Technician

- Utilized JIRA and internal hardware debug/software to conduct data analysis and ensure the functionality of RF boards, producing larger passing yields by 15% for these boards.
- Established and managed documentation to ensure consistency and clarity of the automation environment.

Zinnia Health

Jan 2022 – Aug 2022

Software Engineer Intern

- Architected and developed an end-to-end patient-facing mobile application focusing on UI design, authentication, and API integration, contributing to around 40% of the codebase.
- Developed a Patient Dashboard application using data abstractions to ensure that onboarding future APIs requires minimal effort improving the proficiency of doctors onboarding patients.
- Expanded existing loggers in the codebase to identify application failures related to data abnormalities.
- Implemented new features, applied bug fixes, and refactored legacy code in a TypeScript-dominant environment, reducing runtime by 10% and code-clutter by 25%.

Cubic Transportation Services

Jul 2023 - Dec 2023

Field Service Technician

- Performed 300+ on-site installations and repairs for the Massachusetts transit fare system.
- Ensured fare systems' uptime by 15% using Linux-based applications to maintain the system's hardware.

PROJECTS (github.com/cath-ly)

Mock Google Calendar App

- Developed a React Calendar web application consisting of TailwindCSS, DayJS, and Node.
- Integrated UI features and enforced clean-coding principles to create reusable util functions, and promote React contexts, hooks, and states.

Pokemon Battle Tower Database

- Implemented a robust LAMP application that manages trainers' Pokemon data and leaderboard.
- Engineered sound schemas to ensure scalability in data entries for trainers and leaderboards flow accordingly.