Chantakrak (Tak) Ath-Ly

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EDUCATION

Centre College   *Aug 2019 - May 2023*
Bachelor of Science, Computer Science, GPA: 3.65

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)

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

SKILLS

Languages: Python (Experienced), JavaScript (Experienced), Java (Intermediate), MySQL (Intermediate)
Other: Bash, Git, Linux, MongoDB, HTML, CSS, JIRA, Agile, NodeJS, ExpressJS, React/React Native
Currently Learning: AWS, NextJS, TypeScript

RELEVANT EXPERIENCE

Teradyne, Inc.   *Dec 2023 - Present*
Engineering Technician
- Utilized JIRA, Cadence, and internal debug software tools to conduct data analysis on PCBAs.
- Maintained lab systems by monitoring lab instruments and software systems' health and operations.
- Maintained documentation on automated test procedures to support traceable requirements and rapid onboarding of new engineers.

Zinnia Health   *Jan 2022 – Aug 2022*
Software Engineer Intern
- Designed and implemented a patient-facing mobile application using ReactNative and MongoDB.
- Led the design process for the Patient Dashboard UI, producing a robust framework enabling future integrations, and an intuitive interface for doctors, and patients.
- Expanded existing loggers in the codebase to identify application failures related to data abnormalities.
- Updated legacy JavaScript code to use TypeScript, implemented new features and provided bug fixes.

Cubic Transportation Services   *Jul 2023 - Dec 2023*
Field Service Technician
- Orchestrated 300+ on-site repairs for the Massachusetts transit fare system to ensure high uptime.
- Ensured fare systems' uptime using Linux-based software to debug and supervise the fare server's backend.

PROJECTS (*github.com/cath-ly*)

Mock Google Calendar App
- Developed a calendar application using front-end frameworks React and TailwindCSS.
- Utilized modern repository structures and React's hooks, states, context, and async functions.

Pokemon Battle Tower Database
- Implemented Linux, Apache, MySQL, and PHP (LAMP-based) application that manage users' data.
- Engineered clear and concise schemas to ensure scalability in the database detailing users' entries and achievements, resulting in 300+ data entries and 15+ tables within the database.
- Utilized Database Systems class main concepts: SQL injections, SQL triggers, and CRUD operations.