

Chantakrak Ath-Ly

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Education

Centre College

Danville, KY

Computer Science Major, Bachelor of Science Degree. Cumulative GPA: 3.65/4.0

May 2023

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

Honors and Awards: Cum Laude (Graduated w/ Honors), Presented “Relocating the Confederate Statue: Activism and Anti-Racism at Centre College” at Bonner Summer Leadership Institute 2021, Dean’s List (2019-2022), Posse Foundation Full-Tuition Leadership Award (2019-2023)

Technical Skills and Projects

Languages: Python, TypeScript, JavaScript, Java, C, C#, MySQL, MongoDB

Frameworks/Stacks/Methodologies: LAMP, MERN, React.JS, React Native, Agile, Scrum

Zinnia Health Mobile App

January 2022 – June 2022

- Led design and development of a full-stack mobile application for onboarding patients into the clinic.
- Utilized MongoDB, Express, React Native, NodeJS, npm, and TypeScript to create a proper framework structure.

Pokemon Battle Tower Database Project

September 2021 - December 2021

- Developed a LAMP stack-based database project to manage trainers' Pokemon data and leaderboard.
- Implemented Linux, Apache, MySQL, and PHP for a robust database system.

eSports vs. Sports Project

September 2019 - December 2019

- Analyzed and ensured data validity with well-documented datasets on the popularity of eSports and sports.
- Utilized D3 JS, CSS, and HTML to build interactive data visualizations and charts.

**Additional project codes can be found on GitHub: <https://github.com/cath-ly>*

Relevant Experience

Teradyne, Inc.

North Reading, MA

Engineering Technician

Dec 2023 - Present

- Orchestrated with cross-functional engineers to design, test, and implement Pilot Line systems.
- Utilized JIRA and other internal software tools to debug and conduct data analysis of circuit boards.

Cubic Transportation Services

Boston, MA

Field Service Technician

July 2023 - Dec 2023

- Managed on-site installation, repair, maintenance, and testing tasks for diverse electronic systems of the MBTA.
- Utilized Linux and other software tools to test and debug hardware from Cubic’s fare systems.

Zinnia Health

(Remote) Boston, MA

Software Engineer Intern

January 2022 – August 2022

- Collaborated with cross-functional teams to deliver high-quality projects and ensure reliable codebases.
- Utilized JIRA to record and track stories, ensuring a well-organized log of software problems and solutions.
- Applied Agile practices to establish consistent iterations, clean coding principles, and test-driven development.

Leadership & Activities

Centre College

Danville, KY

Computer Science Class Representative of 2023

May 2021 – May 2023

- Elected by fellow class members and professors to represent their values in learning and success.
- Coordinated monthly meetings to discuss new ideas and suggestions to promote the major to incoming students.

Confederate Statue Relocation Initiative

Danville, KY

Leadership Team

October 2020 – December 2021

- Organized students, faculty, and community leaders of the goals and mission of the Initiative through office hours.
- Contributed to published works and creative outreach such as interviews, newspaper articles, and op-eds.