

EMMA LYNN MAY

CONTACT

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Logan, UT

SKILLS

- Experience programming in Typescript / Javascript, C++, Python, Java, Swift, Kotlin, PHP
- Experience with Vue, React, Django, Flask, and Express libraries / frameworks
- Comfortable with command line interfaces & tools, including Git and Bash
- Familiar with AWS Lambda, Amplify, DynamoDB, Cloud9, API Gateway, CloudWatch, etc
- Trained in creating accessible web content
- Proficient in Adobe Photoshop / Illustrator and Microsoft Office

RELEVANT COURSEWORK

- Software Engineering (CS 3450)
- Advanced Algorithms (CS 5050)
- Modern Web Development (CS 4610)
- Human Factors in Computing (CS 5140)
- Algorithms & Data Structures (CS 2420)
- Computer Graphics (CS 5400)
- Operating Systems and Concurrency (CS 3100)
- Computer Architecture (CS 2810)
- GUIs and Event Driven Programming (CS 2410)
- Discrete Math (MATH 3310)
- Linear Algebra (MATH 2270)
- Calc II (MATH 1220)

EDUCATION

Utah State University (2022-present) | Expected Graduation: May 2025
Computer Science Major | **3.98 GPA**

Attending on full academic scholarship, ACM-W President, Miss College of Science
Dean's List 2022-2023, Outstanding Junior in the CS dept. 2023-24

Brigham Young University - Provo (2021-22)
4.0 GPA | Attended on full academic scholarship

WORK EXPERIENCE

SOFTWARE ENGINEERING INTERN

L3Harris Technologies - Salt Lake City, UT | May 2024 - present

- 1 of 8 selected (from >650 interns throughout L3Harris) to present on internship experience to executive leadership & entire internship program.
- Utilized modern C++ in an embedded systems context.
- Implemented features and resolved software defects for a highly complex communication system.
- Improved functionality and comprehensiveness of unit tests using the GoogleTest testing & mocking framework.
- Worked with a complex DevOps pipeline including Jira, BitBucket, Jenkins, Docker, Ivy, Artifactory, and Klocwork.
- Loaded libraries & installers onto hardware in the lab. Completed formal & informal lab testing and software verification.
- Wrote documentation and prepared hardware for user testing.
- Over 12 weeks of the summer, attended 79 meetings, pushed 80 commits of code, ran over 1000 manual & automated tests, merged 14 pull requests into the codebase, and loaded 21 libraries/installers onto lab hardware.

SOFTWARE DEVELOPMENT & SUPPORT SPECIALIST

Utah State University CIDI - Logan, UT | Sept 2022 - May 2024

- Designed and developed software (in React and PHP) to incorporate AI directly into University courses. Presented work done at the UCF Teaching with AI conference in Sept 2023.
- Built analytic and automation tools in Node.js & Python including integrations with Instructure Canvas, OpenAI, Monday.com, YouTube, Box, and Anthology's Ally.
- Built full-stack web applications in Vue and Express / Flask surrounding these tools. Deployed applications using AWS Lambda, Amplify, & DynamoDB.
- Improved the accessibility of PDF documents, Canvas courses, videos, and other instructional content to meet W3C standards.

PROJECTS

Youtube Caption Check Tool | April 2023 - May 2024, still used by USU

- Frontend: Vue.js, Backend: Node.js with Express
- Web application that creates a report of the caption status of YouTube channels
- Includes webhook functionality that integrates directly with Monday.com
- Built for Utah State University