

# Angela Y. Cui

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## EDUCATION

Lehigh University – Bethlehem, PA

May 2025

Bachelors of Science – Honors Computer Science and Business

**Relevant Coursework:** Programming & Data Structures, Design and Analysis of Algorithms, Database Systems & Applications, Software Engineering, Operating System Design, Design of Integrated Business Applications

## SKILLS

**Programming Languages:** Java, C/C++, SQL (Oracle & Postgres), TypeScript, JavaScript, HTML/CSS, Python

**Frameworks & Libraries:** React (ViteJS), AngularJS, Node.js, REST API, JDBC, Jest, Maven, WordPress, Drupal

**Cloud & Database Systems:** Amazon Web Services (AWS), Tableau, SAP, SQLDeveloper, MySQL Workbench

**Developer Tools:** Jira, Bamboo CI/CD Pipeline, Codacy, Git, Postman, Eclipse, IntelliJ, VSCode, Figma

## WORK EXPERIENCE

**Liberty Mutual Insurance – Seattle, WA (Hybrid)**

May 2024 – Aug. 2024

*Software Engineer Intern & Intern Hackathon Site Leader*

- Collaborated on a software development kit with 3 other interns to help other internal developers extract text and identify the statuses of changed documents using **Typescript** and ensured Quality Assurance best practices; achieved a B-rated 79% coverage on **Codacy**.
- Enhanced **AWS Lambda** integration by achieving a 100% deployment success rate and a 96% build success rate on **Bamboo** for webhook output parsers, event stream retrieval APIs, and event status polling methods through pair programming.
- Automated deployment pipelines and optimized build processes by modifying **JSON and YAML** configurations, streamlining the **node package manager** process via scripts, and improving **CI/CD** efficiency.

**Tech With Heart Foundation – Remote**

Jan. 2024 – Jun. 2024

*Web Developer & Design Intern*

- Designed and revamped 4 webpages on **WordPress** using **Figma** and Divi that implemented effective practices of digital marketing strategies, including segmentations and funnels.
- Led a web design team to implement business logic into the **UI/UX design** to meet 100% of stakeholders' goals.
- Optimized website responsiveness across mobile, tablet, and desktop platforms by effectively using media queries and CSS on Divi theme elements.

**Lehigh University – Bethlehem, PA (Remote)**

Sep. 2021 – Present

*Student Web Developer*

- Developed custom web component templates utilizing Drupal at a reduced rate of \$100/hr compared to external vendors' \$200/hr rates, saving \$24,000 in costs for university departments.
- Migrated 20 Drupal 7 or external domain sites to internal Drupal10 university sites, relieving clients' responsibility of taking on a \$30/hr task themselves.
- Identified and addressed accessibility issues with DubBot, mitigating potential risks and safeguarding the university from potential legal challenges and costly remediation expenses.

## PROJECTS

**Speech-to-Text Analyzer – Digiclips Media Monitoring Company Capstone Project**

*Software Developer and Tester* | Utilized: C, Maven, Java, Jira, API, Agile Scrum

- Collaborated on developing a Word Error Rate (WER) testing measure using **Maven and Java** to compare two autogenerated speech-to-text transcriptions, employing **Agile methodologies** and tracking progress with **Jira**.
- Integrated code with the **Diffchecker API** to produce **JSON** output for enhanced data comparison and analysis while adhering to Agile practices and documenting progress in **Jira**.

**Mindful Hawks: Health and Wellness Web App – Lehigh Valley Hackathon**

*Software Developer* | Utilized: ReactJS, AWS (Bedrock, S3, Lambda, CloudWatch, API Gateway), Python, Git, Vercel, Postman

- Collaborated with the Full Stack Snacks team to build a web app promoting stress management, featuring a Mood Tracker with interactive pie charts (Recharts), Quick Tips, and a Resource Hub for mental health tools and services.
- Led the development of an AI-powered Chatbot that utilized AWS Bedrock and S3-stored knowledge bases to assist students with mental health inquiries by providing quick, meaningful responses.

## LEADERSHIP & AFFILIATIONS

**Leadership:** Girls Who Code (GWC) College Loop - Director of External Relations, JM Kpop Dance Club - Vice President and Treasurer

**Affiliations:** Microsoft TEALS Volunteer, Rewriting the Code (Goldman Sachs Virtual Bootcamp), CodePath, **Above and Beyond**

**Computer Science at Meta**, NCWIT Aspirations in Computing, FIRST Robotics Alum