

# Maeve Tra

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Eligible to work in the U.S. for internships/full-time jobs under CPT/OPT

## EDUCATION

### Purdue University

Bachelor of Science in Computer Science.

Concentration in Software Engineer, Security, and Machine Learning.

West Lafayette, IN  
Graduating May 2024

## WORK EXPERIENCE

### KMS Technology

Software Engineer Intern

Ho Chi Minh City,  
Vietnam  
Summer 2023

- Participated in the Kobiton project as a full stack React.js developer following Scrum process to improve run-time performance and integration of Kobiton.
- Conducted in-depth reviews and analysis of Kobiton's runtime data, offering valuable insights to inform future development efforts.
- Maintained project backlogs and timelines and participated in 12-week daily stand-up with an engineering team of 10 to manage project schedules and release efforts.
- Contributed as a Test Engineer on the LexisNexis Insurance project, resulting in a 13% increase in test coverage across all platform functionalities.

### Purdue RecWell

Operations Manager

West Lafayette, IN  
May 2021 - Current

- Managed daily operations of indoor and outdoor facilities (450,000 square feet).
- Managed and support all operations student employees (55-60 staff members).

## LEADERSHIP & INVOLVEMENT

### Autonomous Robotics Club of Purdue (Purdue ARC)

Wizard's Chess – Software Team

West Lafayette, IN  
January 2023 - Current

- Set up connections between hardware and software to initiate controls over local wi-fi, resulting in 8 functional chess pieces.
- Developed and implemented computer vision algorithms to detect, recognize, and track chess pieces, leading to a successful recognition and tracking of 8 new chess pieces.
- Set up basic algorithm for path planning to determine how each piece will move on the designated board. Actively participated in optimizing the path planning algorithm.

Software Engineer

- Participated in all software development activities following Scrum process.
- Resdesigned and developed ARC website and wiki using full-stack React.
- Implemented Discord AI intergration and Discord chatbot to synchronize documents and events throughout ARC's ecosystem.

### Hello World Hackathon

Design Lead (2023)

West Lafayette, IN  
May 2021 - Current

- Monitored progress and quality of all graphics used in the Hello World 2023 hackathon, leading to the successful achievement of all goals 45 days ahead of the projected schedule.

Director (2022)

- Coordinated Purdue University's largest and only freshman-only hackathon, attracting more than 250 participants.
- Orchestrated a series of preparatory workshops and events, achieving a 20% increase in overall participation.
- Assigned projects and responsibilities to suitable teams and diligently supervised their progress.
- Established communication channels with corporate representatives to facilitate the planning and execution of workshops and promotional events.

## SKILLS

- **Languages:** Python, Java, C/C++, HTML/CSS, JavaScript, TypeScript, Dart, GoLang
- **Libraries and frameworks:** React, Bootstrap, Flutter, Angular.js
- **Databases:** Firebase, MySQL, AWS
- **Software:** Adobe Photoshop, Adobe Illustrator, Adobe Premiere, Adobe InDesign