

Melanie Mai

Available for Co-op/Internship: Summer 2022

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EDUCATION

University of Cincinnati
Bachelor of Science in Computer Science

Expected Graduation: May 2023
GPA - 3.76

PROFESSIONAL EXPERIENCE

Blubrry Podcasting Software Developer Co-op May - Aug 2021

- Designed and implemented new features allowing users to manage API keys and linked 3rd party applications using HTML, CSS, Javascript, PHP, and MySQL
- Developed new Account Management pages available to users to easily view and edit account information
- Created new Agreement form and integrated API call for users to join in company partners' services
- Led overhaul of new Affiliate System utilizing PayPal REST API to allow over 100,000 users to apply, gain payments, and view podcast statistics

Siemens Software Engineer Co-op Aug 2020 - Jan 2021
Meshing & Geometric Abstraction, Simulation and Test Solutions

- Delivered improvements in auto-test efficacy by identifying C++ data from software and remastering existing autotests to utilize new data in comparisons
- Reduced Scrum team's technical debt by constructing and implementing a new dropdown menu option in Simcenter to identify and create groups of short edges on a FEM

Siemens Software Engineer Co-op Jan - May 2020
Meshing & Geometric Abstraction, Simulation and Test Solutions

- Replaced an outdated API in 20+ files to decrease Scrum team's technical debt
- Standardized and enhanced readability of 20+ user-facing information windows for new API
- Facilitated in porting team owned files to main codebase by modifying more than 50 files to meet new file naming standards and code compatibility

ORGANIZATIONS/ACTIVITIES

Association for Computing Machinery - Women (ACM-W) May 2021 - Present
Secretary

- Designed and deployed new school chapter website utilizing HTML, Javascript, and CSS framework Bootstrap
- Collaborated with seven other executive board members to ensure correct and current records of club activities, external contacts, and members

Society of Asian Scientists and Engineers (SASE), UC Chapter Aug 2020 - May 2021
President

- Increased student membership by 21% through effective public relations efforts
- Led a cabinet of five officers and held biweekly board meetings to ensure efficient delegation of duties

TECHNICAL SKILLS

C++, Java, Python, VBA, MATLAB, HTML, CSS, Javascript, Git, PHP, Bootstrap, MySQL