Jack Margeson
Computer Science @ the University of Cincinnati

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margesji@mail.uc.edu
linkedin.com/in/jack-margeson
(513) 615-0468

121 Calhoun St. Apt #5
Cincinnati, OH 45219

EXPERIENCE

Software Engineer Co-op   Jan 2024–Aug 2024
Siemens Digital Industries Software, Milford, Ohio
- Utilized LangChain to train large language models for AI assistant applications
- Created custom functions in C to allow large language models to interact with CAD models by performing user actions in real-time
- Designed microservices in Node.js to improve search functionality through embedding-based analysis algorithms

Software Engineer Co-op   May 2023–Aug 2023
84.51°, Cincinnati, Ohio
- Played a key role in creating a new ad management web platform through proficient development in Angular, Python, and Go
- Led a remote team in recommending changes and delivering a time-critical major feature for an upcoming product release

Software Developer Co-op   Jan 2022–Dec 2022
London Computer Systems, Loveland, Ohio
- Built features for web-based property management software in Angular that greatly impacted user experience
- Migrated functions from desktop application to web for customer ease-of-use
- Communicated designs with large, diverse team utilizing Agile Kanban & Jira

Software Engineer   Jan 2021–Sept 2021
Osmic Enterprises, Cincinnati, Ohio
- Developed desktop software for medical devices aimed to diagnose and monitor psychophysical olfactory dysfunction
- Implemented customer requested features and test suites for clinical and collegiate olfactory research

EDUCATION

Master of Engineering
University of Cincinnati, Cincinnati, OH, expected May 2025
Concentration: Computer Science (CS Software Engineering), 4.0 GPA

Bachelor of Science
University of Cincinnati, Cincinnati, OH, expected May 2025
Concentration: Computer Science, 3.91 GPA

CERTIFICATIONS

Certified SAFe® 6 Practitioner
Scaled Agile, Inc., issued Jun 2024
Credential ID 70748133-5249

SKILLS

C++ & C, Python, Unix/Linux, x86 ASM, C#, Docker, Kubernetes, AWS, Azure, Java, OpenGL, SQL, Postgres, Angular, React, TypeScript, NodeJS, CUDA, Go, Visual Basic (.NET, 6), BOINC, LaTeX

EXTRA-CURRICULAR ACTIVITIES

Achieved *Eagle Scout*, Boy Scouts of America, Troop 21 Dan Beard Council
Elected *Secretary*, Hive13, Cincinnati's largest (250+ member) non-profit maker space
Elected *Executive Director*, Mason Hack Club