

GENOVEVA FOSSAS

geno@fossas.tech ◊ <https://genofossas.dev>

EDUCATION

University of Central Florida

BS, Computer Science

May 2021

Orlando, FL

- Memberships: Burnett Honors College, ACM@UCF, Hack@UCF

EXPERIENCE

University of Central Florida

Undergraduate Research Assistant

Oct 2019 - May 2021

Orlando, FL

- Implemented modifications to LLVM's register allocator to support a side-channel free architecture. Tasks included adding an instruction to LLVM, modifying the register allocator's source code, and modifying source to source transformation programs to perform custom transformations.

Amazon Web Services

Software Development Engineer Intern

May 2020 - Aug 2020

Orlando, FL

- Developed an AWS Service Quotas widget for integration into other AWS Consoles. The final JavaScript widget provided a more convenient experience for current Service Quotas customers by displaying the values of each customer's quotas.

Amazon Web Services

APE Software Development Engineer Intern

May 2019 - Aug 2019

Seattle, WA

- Built a baseline for an internal console that aimed to make on-boarding and management of data within AWS Service Quotas easier for owners of new and existing AWS services. The console lists services on-boarded, their quotas, and details about the listed quotas.

PROJECTS

OpenJML

Senior Design Project

Aug 2020 - Apr 2021

- Implemented a fix for string verification in OpenJML as a member of a five person team. Tasks included manipulating OpenJML's source code and interfacing directly with Z3 and CVC4.

TECHNICAL SKILLS

Languages

C, Java, JavaScript, TypeScript, C++, Bash

Libraries and Frameworks

React, Mocha, Chai

Tools and Runtimes

Linux, Git, Node.js

COMMUNITY INVOLVEMENT

ACM-W@UCF

Student Mentor

Aug 2020 - Apr 2021

University of Central Florida

- Advised freshmen on career preparation and their involvement in undergraduate research. Mentoring involved meeting with mentees weekly to discuss their progress, connecting them with people or services on campus, and generally supporting their transition to college life.

AWARDS AND RECOGNITIONS

AnitaB.org

Grace Hopper Conference 2020 Student Scholar