

GENOVEVA FOSSAS

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

EDUCATION

Northeastern University <i>PhD, Computer Science</i>	Sep 2021 - Present <i>Boston, MA</i>
University of Central Florida <i>BS, Computer Science</i>	May 2021 <i>Orlando, FL</i>

EXPERIENCE

Northeastern University <i>Graduate Research Assistant</i>	Sep 2021 - Present <i>Boston, MA</i>
· Developing Linux kernel memory security tools utilizing features of Intel and ARM platforms and compiler-assisted security policies.	
MIT Lincoln Laboratory <i>Summer Research Intern</i>	May 2022 - Sep 2022 <i>Lexington, MA</i>
· Explored and characterized temporal vulnerabilities in the Linux kernel to inform future mitigation strategies.	
Amazon Web Services <i>Software Development Engineer Intern</i>	May 2021 - Aug 2021 <i>Seattle, WA</i>
· Developed components of a new AWS Single Sign-On web console aimed at simplifying SAML 2.0 application configuration. The TypeScript components provided a simplified customer experience for adding applications, viewing previously added applications, and configuring applications.	
University of Central Florida <i>Undergraduate Research Assistant</i>	Oct 2019 - May 2021 <i>Orlando, FL</i>
· Modified LLVM's register allocator to support a side-channel free architecture.	

TECHNICAL SKILLS

Languages	C, C++, Python, JavaScript, Java, Bash
Libraries and Frameworks	React, Redux, Jest
Tools and Runtimes	Linux, Git, Node.js

COMMUNITY INVOLVEMENT

ACM-W@UCF <i>Student Mentor</i>	Aug 2020 - Apr 2021 <i>University of Central Florida</i>
· Advised freshmen on career preparation and involvement in undergraduate research. Mentoring involved bi-weekly meetings with mentees and facilitating connections to resources on campus.	

AWARDS AND RECOGNITIONS

AnitaB.org	Grace Hopper Conference 2020 Student Scholar
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CLEARANCE

Secret Clearance <i>US Department of Defense</i>	Adjudicated: May 20th, 2022
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