

# JULIA SCOTT IMMER

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## EDUCATION

### UNIVERSITY OF COLORADO BOULDER

*Applied Computer Science, Post-Bacc Bachelor of Science, 2021 to 2022 - 3.86 GPA*

### UNIVERSITY OF CENTRAL MISSOURI

*Mathematics, Bachelor of Science, Minor Physics - 3.72 GPA, Cum Laude, Dean's List*

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## INTRODUCTION

Driven, detail oriented analyst who thrives tackling difficult problems. Easily adaptable to new languages and tech, with an insatiable curiosity and experience in CI/CD, software, security infrastructure, and business operations.

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## SKILLS

Communication, Python, Java, C++, Bash, Linux, HTML, CSS, Algorithms, Kubernetes, Docker, AWS, Gitlab CI/CD, Maven, Helm, Unit Testing, Debugging, Data Structures, Github, Agile, Research, Product Management, Technical and Creative Writing, Public Speaking, Group Facilitation, Graphic Design, Branding, Sales, Leadership, Negotiation

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## EXPERIENCE & PROJECTS

### SOFTWARE ENGINEER INTERN

*Six3 Advanced Systems / CACI International / May 2022 - August 2022*

- Application Key Infrastructure: Designed, developed, & deployed Heimdall authorization microservice + client library. Issuing and validating tokens signed via encryption. Throttling via cached rules & accesses, in Redis.
- Proof of concept: Gitlab pipelines, Quarkus, Heimdall. Generated/maintained design documents, pivoting code with design, following agile framework. Java, Maven, Kubernetes, Docker, Helm, CI/CD, REST APIs, Jira.
- Bandwidth test project for Edge: proof of concept generating a download estimate for remote clients. Java.

### RSA AUDIO ENCRYPTION SCHEME

*2021*

- Built RSA software exploring the algorithms behind it, encrypting text and audio files in python. Implemented Fast Modular Exponentiation, Bezout's coefficient, RSA algorithm, and rudimentary code-breaking. Python, Jupyter.

### RING BUFFER FOR AUDIO PROCESSING

*2021*

- Designed & implemented a circular array buffer, the fundamental audio data structure to store and process samples. Created looping sound effect. C++.

## RESEARCH

*Epistemological Beliefs, Confidence, and Academic Performance*

- Conducted grant funded research investigating the relationship between math confidence, beliefs about math and academic performance. Grant awarded through the honor's college.
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## ENTREPRENEURSHIP

### RELATIONSHIPS AND INTIMACY EDUCATOR

*Boulder, Colorado / September 2012 - May 2021*

- Founded two in-person educational orgs, featuring international experts & vibrant online communities, eventually selling one org. Coached hundreds of clients. Designed, marketed, led empowerment workshops.

### EMERALD MORNING

*Boulder, Colorado / 2009 - 2013*

- Developed original line of luxury body care products. Formulated, produced, marketed, & sold locally & online