

Jack Carroll

SOFTWARE ENGINEER · RESEARCHER

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Summary

Experienced software engineer and researcher graduating from Clemson University in May 2021. My fascination for technology is what drew me into computer science in the first place, and being such a dynamic field encourages me to continue learning something new every day. I am passionate about helping others and attempting to make the world a better place - and I think software is one step closer to achieving that goal.

Education

Clemson University Calhoun Honors College

Clemson, SC

B.S. IN COMPUTER SCIENCE

August 2017 - May 2021

- Minor in Economics
- Cumulative GPA: 3.64

Work Experience

Ohanga

Providence, RI

SOFTWARE ARCHITECT (CONTRACT)

May 2020 - Present

- Ohanga is a pre-seed startup creating a new approach to creativity through a hyper-local platform for art, artisans and aficionados.
- First engineer hired at Ohanga - currently in the process of creating our beta platform from scratch.
- Over the summer of 2020, I managed five engineering interns, serving as a project manager, performing code reviews, assisting with the debugging and development processes, etc.
- I have also created and tested multiple prototypes with potential platform users, gathering and iterating on feedback received as well as assisted in high-level design decisions involving architecture, standards, and tools.

Barclays Investment Bank

Whippany, NJ

SUMMER TECHNOLOGY ANALYST

July 2020 - August 2020

- 10 week internship shortened to 6 weeks due to COVID-19. I was cloud software engineering intern within the investment bank CTO group.
- I automated the provisioning of resources using AWS CloudFormation and allowed for extensive security reporting of provisioned resources using the open source Python libraries: cfn-lint, cfn-guard, cfn-nag, taskcat, and diagrams.

Clemson University

Clemson, SC

TEACHING ASSISTANT

January 2019 - Present

- I have been a teaching assistant for Computer Programming I, Algorithms and Data Structures, Computer Programming I (for engineers), and Top Rope Climbing. I assist students with lab and class material, as well as hold office hours and grade assignments.

Eleos Technologies

Clemson, SC

SOFTWARE QA TESTER

November 2019 - July 2020

- I created and optimized manual quality assurance test cases for mobile applications and cloud services as well as creating tooling scripts for use by our customers.

Blackbaud

Charleston, SC

SALESFORCE DEVOPS INTERN

May 2019 - August 2019

- I was a software engineering intern on the digital team in Corporate IT where I created an access broker service allowing customers on deprecated product versions to easily transition over to the latest versions.

Other Experiences

RESEARCH AND RESIDENT ASSISTANT AT CLEMSON UNIVERSITY

Skills

Amazon Web Services

EC2, ELB, S3, RDS, IAM, Cognito, Lambda, DynamoDB, Route53, SNS, SQS, ECS, Amplify, API Gateway, CloudWatch, CloudFormation, CloudTrail, VPC, Key Management Service, Secrets Manager

Programming Frameworks

Python, C++, C#, C, LaTeX, JavaScript, Node, Bash, Powershell
Angular, Vue, React, React Native, Electron, Django

Software Development

Git, Scrum, DevOps, Machine Learning, Data Science, Quality Assurance

Computer Science

Algorithms, Data Structures, Research