ALEXANDER LUCKERMAN

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EDUCATION

Vanderbilt University, Nashville, TN   *May 2021*
Bachelor of Science in Computer Science and Human & Organizational Development   3.77/4.0 GPA
Honors: Peabody Scholars Program
Relevant Coursework: Program Design and Data Structures (C++), Algorithms, Operating Systems (C), Intermediate Software Design (C++), Web-based System Architecture (HTML5, JavaScript, React)

WORK EXPERIENCE

Capital One
Software Engineering Intern   *June 2020 - present*
- Developed a full-stack application for testing and deploying machine learning models into AWS
- Saved roughly 25 weeks of developer time and upwards of a million dollars per new model deployment
- Built a Golang API and backend for validating and testing Docker images and deployed it with ECS and Lambda
- Used React, Amazon Web Services, Docker SDK and collaborated with two interns on an agile kanban team

Vanderbilt University Computer Science   *January 2019 - April 2020*
Teaching Assistant
- Hold weekly office hours and assist students with topics in C++, program design, and software engineering
- Assess students' code and grade programming assignments and exams

Comcast   *May 2019 - August 2019*
Software Systems Engineering Intern
- Implemented a standardized logging format and improved usability via four new query parameters in a Go API
- Reduced existing unit test run times by 22% (from 60.4s to 47.1s) using the Protractor and Jasmine frameworks
- Extended unit testing coverage and improved workflow for common tasks in an AngularJS web application
- Contributed to the open source Apache Traffic Control project (CDN management software) working on an agile scrum team

World Wide Technology   *May 2018 - August 2018*
Business Development Intern
- Wrote a Python script to automate conversion of professional profiles to a new design template, resulting in a 2000% increase in process speed (from 10 min. each to 30 sec.)
- Developed and presented a proposal to expand company recruiting efforts through college hackathon sponsorships, resulting in an offer to continue work on the project during the following semester

PERSONAL PROJECTS

Routedoors   *October 2018*
- Created a web application that takes an origin point from a user and a desired total distance and randomly generates a corresponding running route using the Google Maps API during HackGT 2018
- Built the front-end web interface using HTML5, JavaScript, CSS, and jQuery

Guess That Quote   *May 2018 - July 2018*
- Learned how to write a single-page web application, utilize a RESTful API, and handle JSON data
- Designed to provide a way to view random quotes from a GroupMe group while allowing the user to guess the author and poster of each quote

Personal Website   *January 2018 - June 2018*
- Built using HTML5, Github, Hugo, AMP, and Netlify
- Features a homepage, blog, and a collection of past projects

SKILLS AND AWARDS

Skills: C/C++, JavaScript, React, Golang, Linux, Docker, Python, Java, HTML5, CSS, Amazon Web Services (AWS), Git, Node/NodeJS, front-end web development, test automation
Awards: Boy Scouts of America — Eagle Scout Award (2017), GlobalHack VI — Team Semifinalist, Youth Division (2016)