

# ALEXANDER LUCKERMAN

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## EDUCATION

### **Vanderbilt University, Nashville, TN**

Bachelor of Science in Computer Science and Human & Organizational Development

May 2021

3.8/4.0 GPA

Honors: Peabody Scholars Program

Relevant Coursework: Program Design and Data Structures (C++), Intermediate Software Design (C++)

## SKILLS AND AWARDS

Skills: C++, JavaScript, ES6, HTML5, Linux, Go, Python, Java, CSS, Git, front-end web development, test automation

Awards: Boy Scouts of America — Eagle Scout Award (2017), GlobalHack VI — Team Semifinalist, Youth Division (2016)

## EXPERIENCE

### **Comcast**

May 2019 - August 2019

#### *Software 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

### **Vanderbilt University Computer Science**

January 2019 - May 2019

#### *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

### **World Wide Technology**

May 2018 - August 2018

#### *Business Development Intern*

- Wrote a Python script to partially 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
- Collaborated across three departments to understand key veterans issues and outline possible initiatives to align with the company's strengths

### **Vanderbilt University Office of the Dean of The Ingram Commons**

March 2018 - November 2019

#### *First-Year Student Mentor*

- Collaborate with a faculty partner to mentor 19 first-year students and model positive student-faculty interaction through a 15-week extended orientation program
- Organize weekly meetings and facilitate discussions around adjusting to campus life in a diverse community
- Mentor and support students with their campus needs while maintaining an open line of communication

## PERSONAL PROJECTS

### **Routedoors**

October 2018

- A web application that takes an origin point from a user and a desired total distance and randomly generates a running route fitting those specifications using the Google Maps API which can then be opened in Google Maps
- 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 for the first time
- 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 an HTML5, Github, Hugo, AMP, and Netlify
- Features a homepage, blog, and a collection of past projects