

# ALVIN ROBERT BIERLEY

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## EDUCATION

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**Carleton College | Northfield, MN**  
*Bachelor of Arts in Computer Science*

June 2021  
Cumulative GPA: **3.45**  
Computer Science GPA: **3.7**

## SUMMARY

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Multi-faceted software engineer with a strong understanding of object-oriented programming, data structures, and algorithm implementation. Valuable team player with personable and dedicated nature.

## SKILLS AND INTERESTS

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Knowledgeable in Python, Java, C, JavaScript, HTML, CSS, and R; some experience with Postgres, C++, and Scheme. Experienced in web development and data analysis, and possess advanced problem solving skills. Fluent in Mandarin, proficient in Spanish.

## PROFESSIONAL EXPERIENCE

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**Qolsys | San Jose, California**

*Financial Accounting Intern*

June 2019 – August 2019

- Created an excel model to estimate future company expenditures based on past reported financial trends
- Streamlined financial reporting by implementing Excel functions to create daily spreadsheets
- Managed and updated financial accounts and permanent records for current clients

**Bierley Associates Inc. | San Jose, California**

*Web Development Intern*

July 2019 – August 2019

- Maintained and developed company website with HTML, CSS, and JavaScript
- Created HTML email to increase company outreach and brand awareness

**Carleton College | Northfield, Minnesota**

*Admissions Website Blogger*

September 2017 – Present

- One of eight bloggers at Carleton College
- Selected to represent the institution by describing life as a college student-athlete and aiding high school students in the admissions process

**AmeriCam Automotive | San Jose, California**

*Business Development Intern*

May 2017 – August 2017

- Corresponded with software engineers in Asia to enhance and develop the functionality of existing software
- Developed technical manuals detailing the functionality of the hardware and software of the DVR devices

## PROJECTS ([github.com/bierleya](https://github.com/bierleya))

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**Online Portfolio | Personal Side Project ([bierleya.github.io](https://bierleya.github.io))**

- My personal website created with HTML, CSS, and JavaScript

**UFO Website | Software Design Project at Carleton College**

- Web application with search functionality that pulls and filters information from a database of UFO sightings
- Written in Python, HTML, and CSS, utilizes PostgreSQL and Flask

**Maze Solver | Data Structures Project at Carleton College**

- Creates a maze given inputs from a text file; solves and draws a solution to the maze using a linked-list implementation of a stack. Written in Java.

**Password Generator | Personal Side Project ([bierleya.github.io/password-generator](https://bierleya.github.io/password-generator))**

- Random password generator written in HTML, CSS, and JavaScript
- Takes password length from user and provides multiple filters to generate a secure password