

# BRADLEY ZHOU

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## EDUCATION

**Carnegie Mellon University**  
B.S., Electrical and Computer Engineering, '21  
minor in computer science  
minor in computational finance  
GPA: 3.76

## RELEVANT COURSEWORK

Imperative Programming  
Computer Systems  
Discrete Math  
Intro to ECE  
Embedded Systems\*  
Functional Programming\*  
Computing for Good\*  
Mathematical Foundations of EE\*

*\*denotes Fall 2018*

## INDEPENDENT COURSEWORK

Machine Learning for Trading –  
Georgia Institute of Technology via  
Udacity

Calculus III – Stony Brook University

## SKILLS

### PROGRAMMING

Proficient: C, Python  
Familiar: Java, x86 assembly, SQL,  
Lisp

### TOOLS & FRAMEWORKS

Git, HTML/CSS, Flask, Bootstrap,  
Jekyll

## HONORS

may '18 **Dean's List**  
Carnegie Mellon University

aug '17 **Presidential Scholarship**  
Carnegie Mellon University

## EXPERIENCE

### Capital One

#### software engineering summit

· One of 23 students selected from over 700 applicants to attend an intensive, week long technical training program  
· Explored technologies such as app development, machine learning, and AWS

### Pittsburgh Supercomputing Center

#### research intern

· Developed machine learning programs to assist in computational studies of high entropy alloys

## PROJECTS

### Social Vacation Planning App

Android app, Messenger bot, and portable central API to allow groups of people to easily plan and save for vacations

### Lisp Interpreter

Lisp implementation and interpreter written in C with features including user defined functions, loading files, conditionals, recursion, variables, and error handling

### Podcast Engine

Web app engine created with Flask to organize subscriptions, visualize popular podcasts, and get recommendations for new podcasts

### HQ Bot

Automates the Google searching of the answers to questions from the popular gameshow trivia app "HQ" using Tesseract OCR and Google Search API

### Multi-threaded Web Proxy

Concurrent web proxy that forwards HTTP GET requests, caches web objects, and handles multiple simultaneous connections

## LEADERSHIP

### Asian Students Association

#### head of public relations

· Elected as main representative on behalf of the Asian Students Association  
· Most involved in recruitment of new members and maintaining participation  
· Plan and host weekly meetings and events  
· Promote interest in Asian culture among members and throughout campus

#### booth stool

· Focused on much of the electrical work in the construction of the Asian Students Association's booth for Carnegie Mellon's annual Spring Carnival