

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: SML, 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

Website Prototyping System

Processes images using OpenCV which are then sent via a React app to an API that transforms the hand-drawn layouts to dynamically render HTML/CSS in real-time

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

Updated 9/10/18