

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

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

EXPERIENCE

Pittsburgh Supercomputing Center

research intern

· Developed machine learning programs for computational studies of high entropy alloys and reduced compute time by 80%

pittsburgh, pa

june '18 – aug '18

Capital One

software engineering summit

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

arlington, va

aug '18 – aug '18

PROJECTS

Website Prototyping System

Processes images using OpenCV to be 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 engine created with Flask to organize subscriptions, visualize popular podcasts, and get recommendations for new podcasts

HQ Bot

Automates search of 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 simultaneous connections

LEADERSHIP

Asian Students Association

head of public relations

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

dec '18 – present

booth stool

· Implemented much of the electrical work in the construction of the Asian Students Association's booth for Spring Carnival

nov '17 – apr '18

Updated 9/18/18