

Justin Chan

San Jose, CA 95122 | (408) 609-0704 | justintchan@hotmail.com | <https://github.com/jtchan2> | <https://www.linkedin.com/in/justin-t-chan/>

Education

University of San Francisco- San Francisco, CA

Expected May 2023

Degree: B.S. Computer Science; G.P.A: 9.3

Dean's Honor Roll: Fall 2019 to Present

Skills

- Programming Languages: Java, Python, Javascript, Haskell, Racket, D3.js, P5.js, C, HTML5
- Personal Qualities: Hard Working, Diligent, Tenacious, Open Minded, Cooperative, Spearhead, Sociable, Team Oriented
- Microsoft Office: Microsoft Word, Microsoft Excel, Microsoft PowerPoint
- GSuite: Google Slides, Google Sheets, Google Docs

Relevant Courses

Data Structure and Algorithms

- Grasped programming skills of data structures and how to store data efficiently
- Cultivated importance of different search, sort and graph algorithms to map data
- Implemented Dijkstra's algorithm into a road trip project

Software Development

- Accentuated professional management and creation of extensive lines of code
- Developed search engine through multiple projects and set deadlines
- Knowledgeable on implementation of reusable code through a large scale project

Notable Projects

Search Engine

- A Search engine that used inverted index that sorts through HTML and text files
- Created Search Engine through Java, Jetty and Servlets. HTML used for Front End side
- Used multi-threading to optimize searching through files
- Link to Project: <https://gist.github.com/jtchan2/8a30f0cc487cf37e27eafd889d25401b>

N-Bodies Problem

- A model movement of 2 Celestial bodies in 2 dimensions of exerted gravity
- Used Java and JFrame to create Celestial Bodies representation
- Project takes celestial bodies, calculate x and y gravity exerted on each other through Newton's Method and animates exertion of forces on a JFrame

Go Fund Me Heat map

- Implemented heat map of fundraisers in the US for public awareness
- Centralized around using Javascript and related API: Leaflet, Mapbox
- Instituted data visualization through heat and geographical mapping

Extracurricular Activities

Participant in Microsoft Summer Challenge Project

June 2021-August2021

- Designed a program to display notable fundraisers in the US
- Corresponded with two other group members to implement project
- Coordinated meeting dates for group to facilitate project development