Brandon Haotian Liu

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EDUCATION

University of Washington, *Seattle, WA*   Sep 2018 - Jun 2022
B.S. in Computer Engineering & Applied Physics | GPA: 3.84

EXPERIENCE

UW Sensors, Energy, and Automation Lab, *Seattle WA*   June 2020 - Present
Full Stack Software Engineer | ECoS Team Member

- Created API endpoints with Java Spring Boot to manipulate PostgreSQL database
- Developed website with React.js for authorized Auth0 users to upload information
- Helped make Microsoft Word add-in for technical writing using Office.js
- Mentored new project members to integrate them with project stack

noHold, Inc., *Milpitas, CA*   Summer 2019
Software Engineer Intern

- Integrated connector between virtual agents and ServiceNow database using C#
- Implemented ability for virtual agents to update database to better leverage AI

SafetyPin, *San Francisco CA*   Summer 2018
Software Engineer Intern | Newzilla Team Lead

- Developed REST API in Java for 71 news sources and hosted service on AWS
- Used JAX-RS to allow frontend to get news based off location and social circle

PROJECTS

CampusMaps, *Class*
Made React.js site that displays the shortest path between two UW campus buildings.
Implemented path finding in Java and utilized Spark to create endpoints.

Youtube To Spotify, *Personal*
Created Python app to transfer YouTube music playlists to Spotify. Used Youtube
Data API to fetch playlist. Utilized Spotify Web API to create and fill new playlist.

Discord Music Bot, *Personal*
Used Discord.js to create a music bot. Let's groups listen to and maintain songs from
YouTube.

Trending Tweets App, *Personal*
Utilized Twitter's Rest and Streaming API with Java to get tweets. Implemented
IBM's Tone Analyzer to survey emotional mood of topics.

URL Shortener, *Personal*
Created endpoints using Flask to manage URL information flow. Manipulated database
with Python. Made website with React.js to handle URL inputs and redirects.

SKILLS

Languages: Java, C#, Python, JavaScript, C/C++, HTML/CSS