DARWIN VAZ

Employment

Dolby Laboratories — San Francisco, California
Software Engineer — May 2019 - August 2019
- Developed a content creation tool that focused on usability and simplicity
- Built frontend using React and backend using Node.js
- Implemented a webhook API for sending and receiving notifications efficiently
- Integrated Dolby Voice plugin for easy use with Dolby hardware

Purdue University — West Lafayette, Indiana
Teaching Assistant, Project Manager — August 2018 - May 2020
- Project Manager for CS 307: Software Engineering (2019)
- Oversaw development of projects and helped students organize and achieve sprint goals
- Teaching Assistant for courses CS 180: Object-Oriented Programming, CS 240: Programming in C and CS 252: Systems Programming
- Helped students understand difficult concepts and provided assistance with homework and projects; graded labs and assignments

GliaLab — Chicago, Illinois
Software Engineer — May 2018 - August 2018
- Created a web client that allowed the user to customize and automate the compilation and sending of data analysis reports
- Built frontend using Bootstrap and JavaScript and backend using Node.js/Express
- Developed an Electron app for portability and cross-platform execution on a local server
- Utilized various Python libraries including pandas and scikit-learn to perform data analysis

Projects

Graphing Calculator — August 2018 - October 2018
- Built a graphing calculator using C++, FreeGLUT and Glui
- Constructed an interactive UI that allows the user to navigate in a three-dimensional space

Trading Simulator — March 2018 - April 2018
- Developed a web application that simulates Foreign Exchange trading
- Created a randomizing algorithm that modifies currency rates and allows them to fluctuate under control
- Constructed a backend API using Node.js/Express

Pair - Intern Housing — January 2018 - April 2018
- Developed a web application for prospective interns to socialize and find housing together
- Created a data mining algorithm to group interns based on matching preferences
- Web scraped Zillow for housing data on major cities which was then presented to the intern groups along with different housing filters
- Utilized React, Node.JS and NoSQL via Firebase

Activities

Hello World — April 2018 - March 2019
- Helped organize local hackathon as member of the design team
- Designed logos and layouts for website, shirts, stickers; 3D printed and laser cut key chains
- Volunteer/mentor during hackathon (2017)

ACM SIGGD — August 2016 - December 2017
- Designed assets for an FPS using Blender and Houdini

Purdue Winterization — November 2016 - November 2017

Contact

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Education

Purdue University — May 2020
Bachelor of Science in Computer Science
Focus in Security, Software Engineering and Systems Programming
GPA: 3.64/4.0

Skills

LANGUAGES	PLATFORMS
C/C++	Node.js
Java	Bootstrap
C#	React
SQL	Flask
NoSQL	Git
Javascript	Matlab
Python	Unity
R	Unreal Engine
Assembly	Houdini
Bash	Blender

Awards

Dean's List and Semester Honors (x8)

6th Place at Purdue's Competitive Programming Competition 2018

1st Place at ACM SIGGD GameJam 2016

Coursework

Computer Security
Artificial Intelligence
Analysis of Algorithms
Operating Systems
Computer Graphics
Relational Databases
Virtual Reality Applications
Software Engineering
Systems Programming
Data Structures and Algorithms