Dan Nguyen

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Education

UC San Diego - B.S. Computer Science   09/2015 – 06/2019

Coursework: Algorithms/Data Structures, Object Oriented Design, Networks (TCP, IP), Distributed Systems, Web and Mobile Development, Operating Systems, Agile Development, Artificial Intelligence, Operating Systems, Machine Learning/Computer Vision

Technical Skills

Languages/Frameworks: Python, C/C++, Java, HTML/CSS, JavaScript, React, Vue, C#, .NET, SQL, JSON, MATLAB
Tools: Git, JIRA, Linux, Node.js, Android Studio, Firebase, Google Cloud Platform, Visual Studio, AWS, Oracle DB, Arduino
Other: Agile Development, REST APIs, Relational Databases, front-end and back-end Development

Experience

IT Assistant (Part-time), Wheeler & Bi CPA   01/2020 – 03/2020

- Went through large code base and reworked 3DCart website for the company's online course, The Money Nerve, to add missing functionality, align it more with the company's theme, and deploy it with the launch of the course
- Responsible for software installation and maintenance on computer stations to improve the office's productivity

Projects

Hotspotify | Full-stack application | https://github.com/DanNguyen8189/hotspotify, Deployed at:
  https://hotspotify.herokuapp.com/   03/2020 - 06/2020

- Developed a full-stack web application to view users' Spotify music listening data, including recent top artists and tracks using the Spotify Web API
- HTML, CSS, JavaScript, Vue.js, Express.js, Node.js, Heroku

UC San Diego Web Components Library | https://github.com/ucsd-cse112/team7   04/2019 - 06/2019

- Developed part of an open-source UC San Diego web components library in a team of ten using agile methodologies and compiled them to form a service called Rate-it, a service like Reddit but with a rating system
- Constructed the build pipeline, maintained the team's docs, and kept teammates accountable for updating documentation
- HTML, CSS, JavaScript, Node.js, NPM, Travis CI, Mocha

SurfStore | File storage application   02/2019 - 03/2019

- Constructed a file storage application using C++ that lets you sync binary files to and from the cloud (AWS datacenters)
- Experimented with file block placement and replication policies to improve application's performance by 4x
- C++, AWS

DejaPhoto | Android application | https://github.com/DanNguyen8189/Team-29-DejaPhoto   03/2017 - 06/2017

- Worked with a team of six to create an Android phone app for a client using Java that allowed users to take photos from their gallery to display them as their background based on the time, date, and place the photo was taken
- Designed the app's UI – testers said that it felt like using a professionally built app
- Java, XML, Android Studio, Google Play Services, Firebase

Extracurricular Experience

Project and committee member, Engineers for a Sustainable World   09/2017 - 01/2020

- Student-run nonprofit organization dedicated to developing and sharing sustainable technologies and practices
- Led sub-team to develop a monitoring system written in Python and Arduino for a single rider solar powered car for one of ESW's projects, the UCSD Solar Car project that uses sensors, Arduinos, and Raspberry Pi operating system.
- Constructed the website for the UCSD Solar Car project for prospective sponsors at ucsdsolarcar.com/welcome using React