

# Dan Nguyen

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[github.com/DanNguyen8189/](https://github.com/DanNguyen8189/)

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## Education

**UC San Diego** - B.S. Computer Science

09/2015 – 06/2019

**Los Angeles Mission College**

01/2020 - present

**Coursework:** Algorithms/Data Structures, Object Oriented Design, Networks, Distributed Systems, Web and Mobile Development, Operating Systems, Agile Development, Operating Systems, Machine Learning/Computer Vision, Full Stack Application Development

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## Technical Skills

**Languages/Frameworks:** Python, C/C++, Java, HTML/CSS, JavaScript, React, Vue, Angular, C#

**Tools:** Git, JIRA, Linux, Node.js, Android Studio, Firebase, Google Cloud Platform, Visual Studio, AWS, Oracle DB, MongoDB, Arduino

**Other:** Agile Development, REST APIs, Relational Databases, front-end and back-end Development

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## Experience

**IT Assistant, Wheeler & Bi CPA**

02/2020 – 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
  - Until COVID-19, responsible for software installation and maintenance on computer stations to improve the office's productivity
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## Projects

**Hotspotify** | Full-stack application | <https://github.com/DanNguyen8189/hotspotify>, Deployed at:

03/2020 - 01/2021

<https://hotspotify.herokuapp.com/>

- 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

**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

**Gomoku With Artificial Intelligence**

02/2018

- Used Monte Carlo Tree Search algorithm method to implement an artificially intelligent agent to play the game of Gomoku
- Python

**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
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## 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 [ucsdolarcar.com/welcome](https://ucsdolarcar.com/welcome) using React