Richard Nguyen

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richardvn.github.io/portfolio github.com/RichardVN linkedin.com/in/richardvinhnguyen

EDUCATION

Oregon State University June 2019 - Present
B.S. in Computer Science; GPA: 3.84

University of California, Santa Barbara Sept. 2014 - Dec. 2018
B.S. in Biochemistry; GPA: 3.35

SKILLS

Languages: Python, Javascript, HTML, CSS, C/C++, SQL

Technologies: Git, GitHub, Bash, Visual Studio Code, Flask, PostgreSQL

PROJECTS

Personal Portfolio Website *Javascript, HTML, CSS, Semantic UI*
https://richardvn.github.io/portfolio/
- Created a mobile-friendly portfolio website that showcases programming projects

Witchcraft School Admin *Python, Flask, PostgreSQL, Javascript, HTML, CSS, Bootstrap*
https://witchcraft-school-admin.herokuapp.com/
- Created a school database management application that allows full CRUD manipulation of data for school faculty, students, and registrations
- Refactored project to use PostgreSQL with SQLalchemy ORM, redesigned front-end UI with Bootstrap, and deployed project to Heroku

Pathfinder *Javascript, HTML, CSS, Semantic UI*
https://team-shocked-pikachu-face.github.io/Pathfinder-WebApp/
- Worked on a hiking web application that finds trails nearby a user inputted search location, along with gear recommendations and trail navigation
- Designed a fitness level calculator that estimates user fitness level based off BMI and age in order to provide user-specific hiking trail recommendations

NYT COVID-19 Graphing Tool *Python*
https://github.com/RichardVN/nyt-covid-grapher
- Built a Python script that retrieves the latest open-source COVID-19 data from The New York Times by country, state, or county using the command line interface
- Utilized the PyGal library to enable the user to visualize data in .svg graphs

WordMedic *Javascript, HTML, CSS, Bootstrap*
https://richardvn.github.io/WordMedic/
- Developed a web application that checks the spelling of words and suggests corrections using a Levenshtein distance algorithm

RELEVANT COURSEWORK

- **CS 325**: Analysis of Algorithms
- **CS 361**: Software Engineering I
- **CS 261**: Data Structures
- **CS 290**: Web Development