

Education

University of Oregon

September 2016 – Present

B.S. in Computer & Information Science | Minor in **Economics**

Graduation Date: December 2019 | Leviton Global Scholarship

Programming Competition Club - Solved coding problems during weekly meetings with classmates and professors.

Computer Security Club - Organized group of classmates to perform CTFs, hacking games, and guest lectures.

Experience

Software Engineer Internship, Fullcourt

Los Angeles, CA | June 2019 – Present

- Pushed two features to the web admin portal and IOS/Android mobile app in my first two weeks.
- Currently implementing messaging capabilities between users within the app.
- Technologies used: Node.JS, Meteor.JS, React.JS, Express.JS, Swift, Objective-C, Java, Cordova, MongoDB, XCode, ElasticSearch, Git.

IT Internship, Oakwood Worldwide

Santa Monica, CA | June 2018 – September 2018

- Implemented artificial intelligence and machine learning into the company.
- Developed an internal chat bot to quickly find information from the SQL servers to save employees time.
- Developed an external chat bot to answer customer questions. | www.oakwood.com/help
- Technologies used: Google Cloud Platform, Flask, .NET APIs, Dialogflow, Microsoft SQL Server, coded in Python & Node.js, and made available through the mobile app, Facebook messenger, and main help webpage.

Coding Instructor, MVCodeClub

Marin County, CA | June 2015 – January 2018

- Educated classes on C++, Java, C#, JavaScript, Unity, Blender, Arduino, Mobile Development, XCode, Android Studio, HTML, CSS, Game Modding, Scratch and Oculus Virtual Reality.

IT Internship, TRX

San Francisco, CA | June 2016 – September 2016

- Integrated a dynamic cloud platform for improved workflow and marketing by migrating all local assets to the digital asset management system Webdam.
- Helped develop a personal website for the CEO made in WordPress. | www.randyhetrick.com

Los Angeles, CA | Summer 2015

- Responsible to set-up, operate technology, help customers, and tear down at IDEA Fitness Convention, the largest TRX tradeshow.

Projects

www.github.com/nolancassidy

- **Interactive Tree Map** | Worked with the arborists on campus to create an interactive web tree map with note capabilities made using JavaScript, Leaflet, and GIS data. | nolancassidy.com/Tree-Map-UO
- **Instagram Automation Bot** | Made an automated growth hacking bot to grow accounts using Python and Instabot toolkit. Given a specific hashtag, the bot will look for photos then like, comment, follow, and unfollow accounts.
- **Stock Prediction** | Built a machine learning model using Python, Pandas, and Quantopian that determines to buy or sell predicated on moving averages, twitter mood, and other trading signals.
- **Arduino Robotics** | Constructed a line follower using reflectance sensors, a maze solver using triggers & infrared, a remote-controlled car with Bluetooth & DC motors, and a snake game using a LED panel & joystick.

Skills

- **Programming Languages** | Python, C++, C, C#, JavaScript, Java, SQL, HTML, CSS, PHP, Visual Basic
- **Platform/OS** | Windows, Linux, Mac, Unix
- **Frameworks & Applications** | NodeJS, Flask, IOS/Android Mobile Development, ReactJS, MongoDB, AWS, Google Cloud, Dialogflow, Quantopian, MeteorJS, Unity, SEO, WordPress, Oculus, XCode, Arduino, Dreamweaver, Photoshop, Pandas, Jupyter, Bootstrap, Git
- **Relevant Coursework** | Software Methodology, Principles of Programming Languages, Database Processing, Computer & Network Security, Computer Graphics, Operating Systems, Intro Software Engineering, C/C++ & Unix, Computer Organization, Intermediate Algorithms, Intermediate Data Structures, Computer Science I&II&III, Calculus I&II&III, Discrete I&II, Probability & Statistics in Computer Science, Linear Algebra, Brain to Artificial Intelligence, The World & Big Data, GIScience, Scientific & Technical Writing