

Arvind Saripalli

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EDUCATION

UC SAN DIEGO

BS IN COMPUTER SCIENCE

Expected June 2020

Cum. GPA: 3.83

Major GPA: 4.0

LINKS

Github: [arvindsaripalli](#)

LinkedIn: [arvindsaripalli](#)

COURSEWORK

Data Structures

Object Oriented Programming

UNIX/Software Tools

Algorithms/Systems Analysis

Discrete Math

COURSERA

Machine Learning

(Stanford University)

Algorithms I

(Princeton University)

Deep learning

(Deeplearn.ai)

SKILLS

Python

• Scikit-learn • Tensorflow • Pytorch

Java

• Algorithms (USACO) • JUnit

Javascript

• Angular • Ionic Web Framework

EXPERIENCE

ACCEL ROBOTICS | SOFTWARE ENGINEERING INTERN

January 2018 – Present | La Jolla, CA

- Building realtime Product and Face Detection system with Deep Neural Networks.
- Optimizing detection and recognition system with CUDA.

GRAVALABS | SOFTWARE ENGINEERING INTERN

September 2016 - August 2017 | Bellevue, WA

- Utilized the Ionic/Angular Javascript framework to develop a hybrid webapp for drug discovery.
- Interacted with AWS lambda to integrate user APIs with webapp.
- Helped design the full stack of the Medzii drug discovery and recommendation platform.

CATALYST | LEAD PROGRAMMING INSTRUCTOR

September 2015 - May 2017 | Redmond, WA

- Taught basic and advanced Python and Java to Middle School and High School students.
- Created a Syllabus closely modelling AP Computer Science and Object Oriented Programming.

RESEARCH

YONDER DEEP ROBOTICS | NAVIGATION SOFTWARE TEAM

December 2017 – Present | La Jolla, CA

- Undergraduate Research Robotics Team developing an AUV in conjunction with Grant Deane and Scripps Institute of Oceanography.
- Developing software to navigate AUVs with IMU sensor data and Kalman Filtering.

UNIVERSITY OF WASHINGTON MEDICAL CENTER RADIATION ONCOLOGY | RESEARCH INTERN

June 2016 – August 2016 | Seattle, WA

- Utilized Python and the Scikit-learn Machine Learning Library.
- Developed supervised learning models on CT data for error detection in EPID dosimetry.
- Wrote a paper detailing the project and submitted to the Siemens Research competition.

PROJECTS

SPOTIFLOW | LOGICAL PLAYLIST ORGANIZER

- Built with Python, Last.fm and Spotify APIs for SDHacks 2017.
- Used tensorflow to predict the genre of a song from track features.

EXTRACURRICULAR

- Member of Computer Science and Engineering Society.
- Member of Data Science Student Society.
- Former President of Exothermic Robotics and Captain of Team 10D.