Arvind Saripalli

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EDUCATION

UC SAN DIEGO
BS in Computer Science
Expected June 2020
Cum. GPA: 3.89
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)

Deeplearning
(Deeplearn.ai)

SKILLS

Python
• Scikit-learn • Tensorflow • Pytorch
• OpenCV

Java
• Algorithms (USACO) • JUnit

Javascript
• Angular • Ionic Web Framework

EXPERIENCE

ACCEL ROBOTICS | Software Engineering Intern
January 2018 – Present | La Jolla, CA

- Building real time Product and Face Detection system with Deep Neural Networks.
- Built a digital NVR with Square API to automatically create and augment training video data.

GRAVALABS | Software Engineering Intern
September 2016 - August 2017 | Bellevue, WA

- Utilized the Ionic/Angular Javascript framework to develop a hybrid webapp for drug discovery.
- Used 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 Lead
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 submited 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.

MESSENGER NLP | Text classification on FB Messages

- Built with Python, fbchat, and scikit-learn.
- Downloads messages, generates language models, classifies new text based on models.
- Training suite allows for empirical analysis and swapping of classifiers, language models, and feature extraction.