Arnav Garg

http://arnavgarg.me | arnavgarg@cs.ucla.edu | 682.597.7383

COURSEWORK

SPECIALIZATION
Algorithms (Stanford University)

GRADUATE
Machine Learning Algorithms
Probabilistic and Relational Learning
Cryptography

UNDERGRADUATE
Artificial Intelligence I
Intro to Machine Learning
Operating Systems
Theoretical Concepts in CS
Databases
Linear Algebra

SKILLS

PROGRAMMING
Proficient:
• Python • C/C++ • MATLAB
Knowledgeable:
• Java • LaTeX • Shell • Javascript
• MySQL • MongoDB
Dabbled with:
• Go • Perl
Familiar:
• Android • AWS • Heroku • mLab

LEADERSHIP

• Fellowship at DART
Aug 2017 - May 2018

• VP of Linux User Group UTA
Jan 2017 - May 2018

• Director of Operations and Volunteers at HackUTA
Jan 2017 - May 2018

• Resident Assistant at UTA
Aug 2015 - Aug 2016

LINKS

Website:// **arnavgarg.me**
Github:// **thearnavgarg**
LinkedIn:// **arnavgarg30**
Devpost:// **thearnavgarg**

HOBBIES

• Stand-up Comedy • Swimming • Tennis-Table • Soccer • Hackathons

EDUCATION

UNIV OF CALIFORNIA, LOS ANGELES (UCLA)
Master of Science in Computer Science
Sept 2018 - March 2020 (Expected)
GPA: N/A

UNIVERSITY OF TEXAS, ARLINGTON
Bachelor of Science (Honors) in Computer Science
Aug 2014 - May 2018
Summa Cum Laude | GPA: 3.98 / 4.0

EXPERIENCE

CLOUD 9 PERCEPTION | Software Engineering Intern
September 2017 - November 2017 | Arlington, TX

- Wrote Python scripts to automate directory structure and Cmake builds for each client-based project.
- Worked on object recognition and pose estimation of a give object in a point cloud using the Point Cloud Library

NOD LABS (START-UP) | Software Engineering Intern
May 2017 – August 2017 | Mountain View, CA

- Camera Sync Interrupts: Created low level camera sync packets to sync the Nod's HMC camera and Optitracks camera and transferred the packets over to server via in-house serial protocols.
- Latency Check: Wrote scripts to find the latency in the Nod's propriety object tracking algorithm.

HERACLEIA LAB | Undergraduate Research Assistant
August 2015 – August 2017 | Arlington, TX

- Developed algorithms and web-based applications to help in diagnosis and handling of dementia-related diseases in the elderly, as well as increasing efficiency in memorizing system assigned passwords.

PROJECTS

UNMANNED ROVER
Python, Arduino

- Developed a Python Code using Pygame to control the movement of the R.O.V.E.R (Remotely Operated Vehicle for Exploration and Reconnaissance) via a Joystick Controller.

SECUREPASS
PhaserJS and Jquery

- A web-based game that helps the user memorize system assigned passwords easily.

PUBLICATION(S)

• Arnav Garg. 2018. Glovelet: Wearable Virtual Object Tracking Glove. Undergraduate Honors Thesis at the Honors College. University of Texas - Arlington, Arlington, TX, USA.

• Theodora Toutountzi, Cheryl Abellanoza, Arnav Garg, Dylan Ebert, and Fillia Makedon. 2017. Rewind/Remind: A cognitive tool for people with associative memory deficits. In Proceedings of the 10th International Conference on PErvasive Technologies Related to Assistive Environments (PETRA '17). ACM, New York, NY, USA, 390-393. DOI: https://doi.org/10.1145/3056540.3076178