

Arnav Garg

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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](https://github.com/thearnavgarg)

LinkedIn:// [arnavgarg30](https://www.linkedin.com/in/arnavgarg30)

Devpost:// [thearnavgarg](https://devpost.com/profile/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 - Present

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

• 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>