

ARDLAN KHALILI

7333 Sugarloaf Drive, Nashville, TN 37211 | ardlankhalili@gmail.com | (615)916-0775

GitHub: <https://github.com/ardlank>

Education

Bachelor of Engineering: Computer Science

08/2013 to 08/2017

The University of Tennessee - Knoxville, Tennessee

- GPA: 3.88/4.0
- Scholarships: Harlan D. Mills (\$2,500), James W. Mitchell (\$2,000), Swan Brothers (\$2,000), Patsy & Frank Borthick (\$1,500), Fred M. Roddy (\$1,500) and Frederick T. Bonham (\$1,500)

Work Experience

Software Development Intern

05/2017 to 08/2017

NASA Langley Research Center— Hampton, VA

- Use of Python to create automated test cases to crawl through NASA's web pages (bots).
- The software improves the efficiency and speed of functional and regression test execution.
- The software checks for broken links, broken entry fields and missing information.

Tutor

10/2016 to 05/2017

Systems at The University of Tennessee - Knoxville, Tennessee

- Tutor undergraduate students in 100, 200 and 300 level computer science courses.

Research Experience

Student Researcher

05/2016 to 08/2016

Department of Computer Science, University of North Dakota – Grand Forks, ND

- Researched and developed a high altitude low-cost balloon test platform.
- Used C++ on the Arduino IDE to program the satellite.
- Created and published a paper for the Academic High Altitude Conference (AHAC).

Student Researcher

01/2016 to 05/2016

Oak Ridge National Laboratory Manufacturing Demonstration Facility – Knoxville, TN

- Researched new algorithms for optimal path and better curvature to 3D prints.
- Used C++ to integrate and optimize a slicer program to be used for 3D printing.

Publication

Ardlan Khalili, Skye Antinozzi, Oscar Velasco, Jeremy Straub, John Nordlie and Ronald Marsh, "BalloonSAT: A Very Low-Cost 'Satellite' Test Platform," *2016 Academic High Altitude Conference*, St. Paul, MN, June, 2016.

- Media links:
 - Knoxville Daily Sun: <http://www.knoxvilledailysun.com/lifestyle/2016/ardlan-khalili.html>
 - Tennessee Today: <http://tntoday.utk.edu/2016/08/08/daily-sun-talks-ut-student-summer-experiments/>

Skills

- Coding languages: C, C++, C#, Java, Python, HTML, JavaScript, PHP, SQL, XML, and Swift.
- iOS mobile development.
- Proficient in Linux terminal and text editors.
- Familiar with ARM assembly code.
- Knowledge of 3D printers and software.
- Knowledge of Unity game development.
- Bilingual in English and Farsi/Persian.

Affiliations

- Hackathons: VandyHacks III, FiskHacks II, VolHacks, GE GhostHack, and Github's Hacktoberfest.
- IEEE at the University of Tennessee.
- Association for Computing Machinery at the University of Tennessee.
- Soccer Club at The University of Tennessee.
- University of Tennessee Investment Group (UTIG).
- National Society of Collegiate Scholars.