Avi Z. Moskoff

Email: amoskoff@asu.edu, Cell: (720) 917-6217

EDUCATION

Arizona State University — 2018 - present
Majors: Computer Science, Mathematics
GPA: 4.0

EXPERIENCE AND ACTIVITIES

Jacobs Technology — 2019
Intern at the Electronic Proving Grounds at Fort Huachuca, Arizona. Received a secret security clearance, ran tests on military vehicles in anechoic chambers, and built data collection applications to assist in those tests.

Pwndevils — 2018 - present
Member of the ASU cybersecurity club, participating in competitions.

Left Hand Robotics, Inc. — 2017 - 2018
Software intern at a company that designs and manufactures autonomous snow clearing robots. Responsible for writing code that keeps track of inventory, deploys new versions of code to the robots, and computes the robot's location using spherical trig.

FIRST Robotics Team 1619 — 2014 - 2018
Strategy Subteam Lead and Founder — 2015 - 2018
Founded a subteam that builds systems to collect and analyze data about the robots that my team competes against. Inputs to the most recent system included data from the competition's API, a custom iOS application, and qualitative data aggregated in a spreadsheet. Outputs to the system included a Slack bot that could generate match predictions based on an Elo model and match previews with graphics based on collected data. The server also outputted a spreadsheet which was used to generate a pick list.

Colorado Math Circle — 2015 - 2017
Member of a 30 person high school team representing Colorado at the American Regions Mathematics League.

Niwot High School Font Club — 2017- 2018
Founded a club in my school that discussed typography from ligatures to LaTeX.

VOLUNTEER EXPERIENCE

Engineering Projects in Community Service — 2018
Member of a team of undergraduate engineers working to improve accessibility in Papago Park.

FLL and FTC Robotics Mentor — 2017 - 2018
Mentored 5 middle school FIRST LEGO League teams and one middle school FIRST Tech Challenge team.

Summer Camp Teacher — 2017
Led week-long summer camps on Java and cryptography for middle school students.

App Developer — 2017 - 2018
Developed an iPad application for my high school's English department to help students analyze poetry.

HONORS AND AWARDS

Hack Arizona: Best Visualization of Sensor Data	2019
ASU Engineering Dean's List	2018, 2019
ASU Entrepreneurship + Innovation Fellow	2018
AP Scholar with Distinction	2018
New American University Scholar - Provost's Award	2018
National Merit Semifinalist	2017
FIRST Dean's List Semifinalist	2017
UNC Math Competition First Honorable Mention	2017

TECHNICAL SKILLS

Highly proficient in Java, Python, C, C++, Javascript, Typescript, MySQL, and LaTeX. I am also familiar with C#, CSS, HTML, R, Prolog, Scheme, and Swift.