

# Sion Avakian

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## EDUCATION

### Bachelor of Science, Computer Science

University of California, Irvine

06/2019 - 06/2021

GPA: 3.4

#### Courses

- Computer Networks
- Design and Analysis of Algorithms
- Data Management
- Machine Learning and Data Mining

### Associate Degree, Mathematics

Glendale College

06/2016 - 05/2019

GPA: 3.7

#### Courses

- Linear Algebra
- Data Structures

## WORK EXPERIENCE

### Undergraduate Researcher

UCI School of Social Sciences/Data Science

07/2020 - 09/2020

#### Achievements/Tasks

- Utilized various web scraping tools/techniques such as Selenium, Scrappy, and BeautifulSoup to gather relevant data.
- Built and maintained twitter bots to serve as test subjects for how twitter bots contribute to the spread of misinformation.
- Co-authored a blog post published on The Consortium of Social Science Associations (COSSA), summarizing the modules and toolkits developed by the team.

### Undergraduate Researcher

National Science Foundation - UCI Informatics/Data Science Lab

09/2019 - 06/2020

#### Achievements/Tasks

- Co-authored a scholarly publication regarding ethics in computer science curricula and undergraduate experiences in research.
- Presented findings to faculty concerning how community organizations use data to champion their cause and how this experience helped our team, as computer science students, to understand ethics in computer science.
- Performed case studies on non-profits and consolidated data into a database using FileMaker Pro in a team of 12.

### Software Engineer, Full Stack Intern

Youth Policy Institute

06/2018 - 09/2018

#### Achievements/Tasks

- Sustained and improved organization's website working directly with the product manager and lead developer.
- Produced and maintained a follow-up system for current and past fellows using MERN stack.
- Adopted MongoDB for data storage on a project with 100k lines of code.

## SKILLS

Python	●	●	●	●	●
Swift	●	●	●	●	●
C++	●	●	●	●	●
HTML/CSS	●	●	●	●	○
NumPy	●	●	●	○	○
React	●	●	●	○	○
JavaScript	●	●	○	○	○
Arduino/Raspberry Pi	●	●	○	○	○
pandas	●	●	○	○	○

## PROJECTS

### Facing Digital Extremism in a Pandemic Modules/Toolkits (07/2020 - 09/2020)

- Scraped Twitter, Reddit, Facebook, and other social media platforms for relevant data.
- Developed modules and toolkit, taught in undergraduate/graduate courses aimed to identify and combat misinformation.
- The modules and digital toolkit were promoted through events and social media channels, as well as shared with national organizations and other universities to address extremism in all its forms.

### Phoenix Robotics (01/2019 - 05/2019)

- Built a public service humanoid robot to guide students on campus.
- Utilized Arduino, Python, and Raspberry Pi for a functioning robot in a team of 15.
- Raised north of \$20,000 for the project.

### Timeliness - Time Management Application (06/2017 - 08/2017)

- Programmed a time management app using Swift.
- Coordinated the entire project from scratch.
- Designed and implemented the UI/UX using Sketch and Photoshop.

## LANGUAGES

English  
Full Professional Proficiency

Armenian  
Full Professional Proficiency

Farsi  
Full Professional Proficiency