# Sion Avakian

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## EDUCATION

### Bachelor of Science, Computer Science
University of California Irvine

*06/2019 - 10/2021*

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

### Associate Degree, Mathematics
Glendale College

*06/2016 - 05/2019*

Courses
- Linear Algebra
- Data Structures

## WORK EXPERIENCE

### Undergraduate Researcher
UCI School of Social Sciences/Data Science

*07/2020 - Present*

Achievements/Tasks
- Utilized various web scraping tools/techniques such as Selenium, Scrappy, and Beautiful Soup 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 toolkit 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.

### Fullstack Developer - Intern
Youth Policy Institute - Techhire LA

*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.

## SKILLS

| Skill | | | | | |
|---|---|---|---|---|---|
| Python | ● | ● | ● | ● | ● |
| Swift | ● | ● | ● | ● | ● |
| C++ | ● | ● | ● | ● | ● |
| HTML/CSS | ● | ● | ● | ● | ○ |
| Linux | ● | ● | ● | ○ | ○ |
| Arduino/Raspberry pi | ● | ● | ○ | ○ | ○ |
| Solidity | ● | ● | ○ | ○ | ○ |
| Javascript | ● | ○ | ○ | ○ | ○ |
| MongoDB | ● | ○ | ○ | ○ | ○ |

## PROJECTS

**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.
- 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.

**Facing Digital Extremism in a Pandemic Modules/toolkit (07/2020 - Present)**
- Scraped Twitter, Reddit, Facebook, and other social media platforms for relevant data.
- Developed modules and toolkit, taught in undergraduate 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.

## LANGUAGES

**English**
*Full Professional Proficiency*

**Farsi**
*Full Professional Proficiency*

**Armenian**
*Full Professional Proficiency*