# 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
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.

## SKILLS

| | |
|---|---|
| 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 (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.
- Coordinated the project directly with the Dean of Social Sciences and other Political Science and Data Science researchers.

## LANGUAGES

English
*Full Professional Proficiency*

Armenian
*Full Professional Proficiency*

Farsi
*Full Professional Proficiency*