Kachik Ashkaryan

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Polylingual: Native English ♦ Native Armenian ♦ Conversational Spanish

Permanent Address:

1296 N Allen Ave.,
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Education & Honors

University of Pennsylvania, Philadelphia, PA | *School of Engineering and Applied Sciences*
Bachelor of Science in Engineering - *Computer Information and Science*   *May 2022*   **GPA 3.84/4.00**
Minor(s)- *Mathematics, Data Science*
Concentration: Artificial Intelligence
Academic Honors & Awards
- ♦ **College Dean's List** - *May 2020*
  - Acknowledged for outstanding grades for the fall/spring semesters in 2020, maintaining a GPA of 4.00 for the year
- ♦ **Inroads Career Preparatory Fellow** - *April 2020*
  - Selected to be a part of a network of underrepresented, first generation undergraduates assisting one another in all stages of the career preparation process

Professional Experience / Projects

Capital One Tech Internship, McLean, VA   *May 2021 - Sept 2021*
Backend Engineering Intern (Full-Time)
- ♦ Working with AWS and backend team to edit cloud architecture for internal tool using SQS, Lambda Triggers, ECS containers, and more to increase microservice efficiency by more than 30% and reduce costs by 10%

Tradeblock and AstroLab LLC, Austin, TX   *May 2021 - Current*
Data Engineer Intern (Part-Time)
- ♦ Worked on implementing backend system for sneaker trading application that queries millions of transaction logs, transforms data using pandas to send recommendations to users, using MongoDB, sharding using Apache and EC2, data visualization, and created UI using flask for internal use

University of Pennsylvania School of Engineering, Philadelphia, PA   *January 2021 - Current*
Head Teacher's Assistant - Automata; Advanced Algorithms; Data Management
- ♦ Handle logistics and teach 250+ students through office hours, leading weekly discussions, and designing homework assignments

Shell + Operating Systems Project   *October 2021-Current*
- ♦ Implemented shell with pipe, redirection, job control, and more capabilities, and OS managing file systems, I/O devices, concurrency, kernel separation, and process scheduling

Loyola Marymount University (Computer Vision Lab), Los Angeles, CA   *May 2020 - February 2021*
Computer Science Lab Assistant Intern
- ♦ Utilized Python library pandas and sklearn to segment road data and feed it into deep learning model (Convolution Neural Network) developed to teach the program to recognize potholes

Community Involvement & Leaderships

Let's Get Ready - *Remote College Prep Mentor*, Philadelphia, PA   *August 2020 - Present*
Hack4Impact - *Service Manager*, Philadelphia, PA   *March 2020 - Present*
Capital One CODERS, McLean, VA   *May 2021 - September 2021*
Web Development Mentor
- ♦ Traveled to elementary and middle schools weekly to teach and motivate students to code, as well as working with them to create static websites that we hosted
- ♦ Set up laptops to host interim websites locally, then set up hosting on Capital One servers

Technical Skills

Java   ♦   Python   ♦   C   ♦   ReactJS   ♦   NodeJS   ♦   Databases   ♦   AWS