

# Kamyar Ghiam

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kamyar.info

## Education

### Carnegie Mellon University

B.S. Computer Science and Business Administration

\$230,000 Presidential Scholarship to CMU

Class of 2021, GPA: 3.65

## Awards


- Awarded 3 times from Google, GSK, and Sandia at *HackCMU* for creating ML-powered sign-language to speech translator
- Presidential Scholarship to Carnegie Mellon
- Regeneron International Science Talent Search (STS) Research Report Award

## Leadership


- Head Teaching Assistant for 15-210: Managing 20 computer science teaching assistants in 200+ student course (Algorithms/Parallel Computing)
- Co-founder of CS-Tutoring: Managed 5 tutors and 2 marketers with 15 weekly teaching sessions
- Project leader for Harvard Innovation Labs Experfy project: overseeing 6 engineers (more details in experience)
- Vice President of Internal Development in the Undergraduate Consulting Club

## Links

Personal website: kamyar.info

 linkedin.com/in/kamyarghiam

 github.com/kamyarghiam

 stackoverflow.com/users/9947140/kamyar-ghiam

## AWS Services Used

Lambda, EC2, DynamoDB, S3, API gateway, CloudWatch, CloudFormation, SageMaker, Athena, SNS, SQS, IAM, and Amazon Translate

## Hobbies

- Meditation (Śamatha-Vipassanā practice)
- Boulderling (Starting to get some V3's!)
- Cleaning (It can be fun with music)

## Experience

### Amazon

*Software Development Engineer Intern* (Summer 2020, New York)

Wrote 26 production approved code reviews with 2,200+ lines of code, using 11 AWS services to support NLP translation models. Designed universal word-counter for any phonetic or ideographic language (used by executives to see \$millions saved in translation costs). Load-tested distributed system to find best instance configuration for ML models. Ran metrics on ML models in AWS SageMaker to find optimal training dataset.

### Harvard Innovation Labs: Experfy

*ML Engineer, Pro Bono* (Dec. 2018-Jan. 2019, remote)

Leader of 6-person engineering team that developed an NLP recommender system matching over 4,000 technical consultants to projects that are compatible with their skillsets.

### Amazon

*Software Development Engineer Intern* (Summer 2019, Seattle)

Solo designed, coded, integrated, and backtested API infrastructure to automate feedback system from Amazon vendors and sellers. API was composed of a custom serverless package with AWS lambda, API gateway, and DynamoDB.

### Clinova, Ltd.

*Data Science Intern* (Summer 2018, London)

Analyzed BigQuery database with 500,000+ user inputs for customer segmentation, visualized application ML decision algorithm with graphs, and refactored front-end website code.

## Ed-Tech Startup Experience

### Summer Stem Institute (SSI)

*Employee #12: Operations, Mentor Hiring, and Admissions Intern*

Website: <https://www.summersteminstitute.org>

SSI is a virtual summer research camp for high school students. Web-scraped for hundreds of potential research mentors, interviewed 15 mentors, and reviewed 1765 student applications for admissions.

### CS-Tutoring

*Cofounder, Operations, and Curriculum Management*

Website: <http://cs-tutoring.com>

Co-founded summer coding program with 15 weekly sessions and \$1,125 in weekly revenue. Hired/managed 5 tutors and designed marketing outreach to 400+ teachers and parents.

*Projects and more information at kamyar.info*