

# Kamyar Ghiam

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## 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 19 computer science teaching assistants in 250+ student course (Algorithms/Parallel Computing)
- Co-founded 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](http://kamyar.info)

 [linkedin.com/in/kamyarghiam](https://www.linkedin.com/in/kamyarghiam)

 [github.com/kamyarghiam](https://github.com/kamyarghiam)

 [stackoverflow.com/users/9947140/kamyar-ghiam](https://stackoverflow.com/users/9947140/kamyar-ghiam)

## AWS Services Used

Lambda, Step Functions, 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)  
Saved Amazon ~\$700,000 in annual costs by integrating NLP models into their advertisement translation workflow. Wrote 26 production approved code reviews with 2,200+ lines of code, using 11 AWS services. Designed universal word-counter (used to determine savings). Set up burstable distributed system for ML models. Ran metrics in SageMaker to find best training dataset. And implemented logic to direct traffic to NLP models.

### Harvard Innovation Labs: Experfy

*ML Engineer, Pro Bono* (Dec. 2018-Jan. 2019, remote)  
Led a 6-person engineering team to develop an NLP recommender system, matching over 4,000 technical consultants to projects compatible with their skillsets.

### Amazon

*Software Development Engineer Intern* (Summer 2019, Seattle)  
Solo designed, coded, integrated, and tested 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](http://kamyar.info)*