

MATTHEW SOTOUDEH

masotoudeh@ucdavis.edu · (408) 832-5833 · <https://matthewsot.github.io/>

EDUCATION

University of California, Davis

BS Computer Science, Regents Scholar, GPA: 4.0

Davis, CA

Grad: Jun 2021

Lynbrook High School

GPA: 3.9

San Jose, CA

Grad: Jun 2017

EXPERIENCE

Intel AIPG Office of the CTO

Research Intern

San Diego, CA

Jun 2018 — Sep 2018

- Working on novel compiler research, targeting publication in late 2018.

Intel Labs

Research Intern

Santa Clara, CA

Jul 2016 — Jan 2018

- Developed state-of-the-art ML parameter compression method. Up to 60% accuracy improvement over existing work after compressing models up to 1000×.
- Optimized compressed matrix-multiplication routine achieves 15× faster inference than MKL.
- Wrote a unified library that simplifies implementation of multiple compression methods in TensorFlow by expressing each method as a weight-generating sub-graph.
- “DeepThin: A Self-Compressing Library for Deep Neural Networks” presented at SysML 2018.

Develop Summer Academy

Co-Founder & Instructor

San Jose, CA

Feb 2016 — August 2017

- Taught over 50 local middle school students programming, leadership, and other life skills
- Developed courses, marketed the camp, handled logistics, and taught classes
- Recognized by our school, district, and House Representative Ro Khana
- Over \$30,000 in revenue over two summers.

Action

Co-Founder & Chief Software Engineer

San Jose, CA

Nov 2014 — Jan 2016

- Built product used to improve the meeting follow-up experience for 1,000s of meetings and people around the world and teams at Google, Microsoft, and UC Berkeley.

SKILLS

Programming Languages: C, C++, C#, Python, Javascript, HTML, CSS

Other: Education, course development

PROJECTS

Docs Plus Javascript, jQuery, Chrome and Firefox add-on APIs

Only add-on library that enables deep integration support with the Google Kix editor

SharpSwift C#, Swift, Roslyn

C# - Swift transpiler, one of the first projects to use the Roslyn Compiler and Swift language

More projects can be found at <https://github.com/matthewsot>

RECOGNITION

Rep. Ro Khanna Congressional Award

Recognized by House Representative Ro Khanna for my role in founding the innovative Develop Summer Academy.

1st Place FBLA State & National Competitions

Jun 2014, Apr 2015

Won first place against hundreds of teams across the country for two e-business websites I built and presented.

1st Place Application at CodeDay SV

Oct 2014

An early version of our meeting efficiency add-on Action beat dozens of other teams at the CodeDay SV hackathon