

Education

Cornell University

M.Eng. in Computer Science Dec '17 grad expected. (GPA 3.86).

- **Courses include:** Practicum in Computer Graphics, Open Source SWE, Software Engineering, *Distributed Systems*, *Natural Language Processing*
- **Final Project:** TBA.

BA in Computer Science May '17 (GPA 3.7).

- **Courses include:** Practicum in Compilers / Programming Languages / Practicum in Operating Systems / Open-Source SWE / Database Systems / Computer Vision / Systems Programming / Data-Driven Web Applications / Functional Programming / Discrete Structures / Honors Object Oriented Programming

Minor in Computing in the Arts '17

- **Courses Include:** Human Perception applied to Computer Graphics, Art, and Visual Display / Digital Mixed Media / Digital Sculpture / Computer Music / Sound Design

Experience

Facebook, Inc. (Summer 2017)

Full-Stack Engineering

- Built a brand-new system to manage the internship program mentorship matching.
- Laid foundations for a matching algorithm to match new hires to managers and teams.

Square, Inc. (Summer 2016)

Platform Engineering

- Worked on and built tools to image and validate servers for all of Square's datacenters.

Tumblr, Inc. (Summer 2015)

Backend Engineering

- Completed misc. features and fixes for the Tumblr API.
- Built the pipeline powering notifications for messaging. It processed over 9 million instant message notifications in the first 2 days after release.

Teaching Assistant

- CS 3110: Functional Programming and Data Structures (Spring 2016, Fall 2017)
- CS 4410/11: Introduction and Practicum in Operating Systems (Fall 2016, Spring 2017)

Select Personal Projects

[more on github.com/mrkev](https://github.com/mrkev)

RedAPI (2013 - 2015)

- Data miner and unofficial Cornell API. Gave rise to many student-run apps and initiatives.

FSMGen (2016)

- Simple programming language for generating FSMs, and a web-app to go with it.

Clocktower (2014)

- Full stack web application using Angular.js + Node.js class scheduling.

CUAppDev Project Team (Fall 2014)

- Backend Software Engineer

Skills

Languages / Software

Proficient

- JavaScript (ES6), React, Redux, Relay, GraphQL, Node.js, C, Typescript, Hack, PHP, Java, Ruby, OCaml, D3.js, React, Angular.js, P2, JFlex, JavaCup, ActionScript

Familiar

- Go, Python, Swift, SQL, MIPS, x86, CentOS, System V, gdb, WebAudio, Neo4j, Objective-C

Community

Under-Represented Minorities in Computing (URMC)

Co-Founder, Co-President (2016-...)

- Founded URMC to build a community for support in and promotion of CS amongst minority students.

Open Source Cornell (OSC)

Executive Officer (2014-2017)

- Ran club meetings and started community projects.
- Promoted the use of and contribution to open source projects.

Association of Computer Science Undergraduates (ACSU)

Academic Team Officer (2015-2017)

- Organized and participated in projects and events for the benefit of the undergraduate CS student body.

Vallarta Bookmobile

Co-president (2012)

- Brought a mobile library to an underprivileged community in the slums of a Mexican town.

Awards

Square Intern Hackweek, Winner

- Developed a no-setup secure WiFi solution with a Raspberry Pi and a Square Register Point of sale.

Big Red Hacks 2014, Finalist

- Developed a CLI for Facebook.

Dean's List (2013 - 2015, 2017)

Jonathan E. Marx Senior Prize

- Awarded based on demonstrated leadership qualities, extra-curricular activities and camaraderie

Tapia Diversity in Computing Conference Scholarship (x2)