

# CHEN MARMER PEKKER

[gpekker@g.hmc.edu](mailto:gpekker@g.hmc.edu) • 425-615-8019 • 340 E. Foothill Blvd. Claremont, CA • [chenpekker.github.io](https://github.com/chenpekker)

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## EDUCATION

Harvey Mudd College, Claremont, CA, BS, Computer Science, expected graduation May 2019

- Harvey Mudd Dean's List, Recipient of the BECU Foundation Merit Scholarship (2015)

## RELEVANT COURSEWORK

Principles of Computer Science, Data Structures/Program Development, Multivariable Calculus, Differential Equations/Linear Algebra II, Discrete Mathematics, Computability and Logic, Artificial Intelligence, Computer Systems, Big Data: Platforms/Applications, Software Development, Algorithms, Programming Languages, Harvey Mudd CS Clinic

## SKILLS

Programming: Python, Hack, React, Java, GraphQL, SQL, Latex, C++, Racket

Languages: Fluent in English, Hebrew, and Russian; conversational in French

## EXPERIENCE

Accenture Labs Clinic, Claremont, CA, CS Clinic Team Member Sept. 2018 – Present

- Collaborating with a group of students on a Human-Robot Teaming project.
- Will be employing AR to improve Human-Robot communication and cooperation.

Facebook Inc., Seattle, WA, Software Engineering Intern May – Aug. 2018

- Worked on creating an internal tool through completing a full stack project.
- Used React, GraphQL, big data query and manipulation, and frontend web development.

Facebook Inc., Menlo Park, CA, Software Engineering Intern May – Aug. 2017

- Completed a full stack, web development project on a Messenger bot for the Internet.org team.
- Built a backend framework, collected and used large amounts of data, worked with various APIs, and collaborated with data scientists, engineers, designers, and PMs.

Harvey Mudd Computer Science Department, Claremont, CA, Tutor Jan. 2017 – Present

- Provide weekly homework help for the Principles of Computer Science course.

Harvey Mudd Homework Hotline, Claremont, CA, Tutor Sep. 2015 – Dec. 2016

- Weekly tutor over the phone for grades 4-12 in any STEM subject.

Architecture, Construction, Engineering Mentoring Program, Bellevue, WA Sep. 2011 – June 2015

- Worked with engineering mentors on four yearlong projects, presented to an audience.

## SUMMER RESEARCH

Harvey Mudd College Computer Science Research May – Aug. 2016

- Developed a tree multifurcation feasibility proof, created a software tool and implemented algorithms used for solving computational biology problems in Java and Python.
- Presented results at the Howard Hughes Medical Institute 5C Poster Session and Harvey Mudd Summer Research Poster Celebration.

Stanford University Pre-Collegiate Summer Institutes July – Aug. 2014

- Studied Particle Physics at Stanford University and submitted a final paper on the applications of gamma rays and neutrinos, particularly for anti-proliferation purposes.

## EXTRACURRICULAR & EDUCATION ACTIVITIES

5C Association of Computing Machinery Women's Chapter Member Sep. 2015 – Present

HMC Society of Women Engineers Member Sep. 2015 – Present