

# CHEN (GRACE) PEKKER

[gpekker@g.hmc.edu](mailto:gpekker@g.hmc.edu) • 4256158019 • 340 E. Foothill Blvd. Claremont, CA 91711 • [chenpekker.github.io](https://github.com/chenpekker)

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## EDUCATION

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

## 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

## SKILLS

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

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

## EXPERIENCE

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 implemented frontend elements for the bot.

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.

University of Washington Materials Camp July 2013

- Conducted research on washer lubricants alongside a Boeing mentor, presented findings at UW.

## EXTRACURRICULAR & EDUCATION ACTIVITIES

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

HMC Society of Women Engineers Member Sep. 2015 – Present

Claremont Hillel, First Year Students in Hillel Co-Chair Sep. 2015 – June 2016

Claremont Progressive Israel Alliance Board Member Sep. 2015 – June 2016

BHS National Honor Society Captain Apr. 2013 – June 2015

Bellevue School District Superintendent Student Advisory Oct. 2012 – June 2013

## AWARDS

Harvey Mudd Dean's List (Spring 2017), Recipient of the BECU Foundation Merit Scholarship (2015)