CHEN MARMER PEKKER

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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