

Gary Cheng

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EDUCATION	UNIVERSITY OF CALIFORNIA, BERKELEY 5/19 Intended B.A. in Computer Science (Cum. GPA 4.0), Coursework: Data Structures, Structure and Interpretation of Computer Programs, Lin. Algebra & Differential Eq, Discrete Math & Probability Theory <ul style="list-style-type: none">• Awarded place on the Dean's List (top 4%)
SKILLS	Proficient in: Python, Java, SQL, Scheme Familiar with: Flask, HTML, CSS, JavaScript
PROJECTS	BERKELEY EATS <ul style="list-style-type: none">• Developed a k-means clustering algorithm to identify the closest restaurants to any geographic location within Berkeley• Integrated yelp reviews and google maps to give recommendations on where to eat SCHEME INTERPRETER <ul style="list-style-type: none">• Developed a Scheme interpreter in Python• Implemented additional features such as tail recursion and define-macros
EXPERIENCE	CS61A LAB ASSISTANT & TUTOR 1/16 – present Berkeley Computer Science, Berkeley <ul style="list-style-type: none">• Teaching students key concepts from Structure & Interpretation of Computer Programs in lab, working in office hours to provide additional help• Tutor struggling students one-on-one PHYSICS RESEARCH ASSISTANT 5/14 – 8/15 CMU Physics, Mt. Pleasant, MI <ul style="list-style-type: none">• Researched thermoelectric properties of tin clathrates, ultimately identifying the effects of electron doping on thermal and electric conductivity, writing a paper for print• Wrote Python scripts that set up Quantum Espresso Calculations which tested different clathrate structure variations
LEADERSHIP	ORGANIZER, Build Berkeley 11/15 – present Berkeley, CA <ul style="list-style-type: none">• Helped design mission and vision of this build for good 36-hour hackathon, recruited new team members, created task focused agendas, utilized Trello to insure goals are met OFFICER, Hackers@Berkeley 8/15 – present Berkeley, CA <ul style="list-style-type: none">• Reorganized leadership structure to insure continuation of the club, introduced Trello as a task manager tool for the team to use• Managed all operations for Hacker Fair, coordinated with our sponsor Facebook, recruited presenters from campus VP OF CORPORATE RELATIONS, Robtics@Berkeley 8/15 – 1/21 Berkeley, CA <ul style="list-style-type: none">• Created content and design of sponsorship packet, developed actionable connections with businesses in Silicon Valley• Wrote a program that sends out custom emails to a set of email addresses, uses flags to identify locations to put names, companies, etc. reduced the workload of cold emailing