

MINHTRANG VY

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Objective

A summer position in Software Development with opportunities to gain experience in Project Management.

Education

Harvey Mudd College, B.S., Computer Science, expected May 2016
Preuss High School of UCSD, Graduated with Honors, June 2012

Relevant Coursework

Intro to Computer Science	Principles of Computer Science	Programming Practicum
Logic and Computability	Computer Systems	Data Structures
Software Development	Databases	Algorithms
Linear Algebra	Differential Equations	Intro to Machine Learning

Programming Skills

PHP | Slim | Smarty | HTML | CSS | Javascript | Bootstrap | JQuery | C++ | Java | Python | Racket/Scheme
Prolog | MySQL | MeekroDB | Chrome Extensions | Android Development and various APIs.

Computer Science Experience

Software Engineering Intern 5/14-7/14

Bitcoin Builder, Santa Monica, CA

Worked in a team to utilize 5+ bitcoin exchange APIs to create a continually running arbitrage/market making program that took advantage of the difference in bitcoin prices across those exchanges. Developed a Google Chrome extension that allowed Bitcoin Builder members to send bitcoins from their browser, facilitating the process of actually using bitcoins. Also lead the creation of the user interface and frontend for BitcoinBuilder.com, a new bitcoin exchange.

Web Developer 11/13-1/14

Harvey Mudd College / The Social Rules Project, Claremont, CA

Assisted Professor Steinberg in creating his personal website as well as the Social Rules Project website (rulechangers.org), a nonprofit organization for environmental change. Specifically focused on creating interactive images for seven countries, redirecting contact forms to the appropriate people, and fixing display bugs.

Computer Science Tutor and Grader 8/13-Present

Harvey Mudd College, Claremont, CA

Held tutoring hours for Intro to CS and Principles of CS (introductory CS courses at HMC), taught material such as BSTs, BFS/DFS, Use-it-or-lose-it, mutual recursion, and other fundamental computer science ideas, in three different languages: Racket/Scheme, Prolog, and Java.

Computer Science Researcher 6/13-8/13

Harvey Mudd College / Google CS4HS, Claremont, CA

Hosted computer science workshops for middle and high school teachers in order to teach teachers how to teach computer science. Utilized interactive and visual programming languages to teach the fundamentals of Computer Science by developing my own workshop on various topics, such as binary numbers, encoding/decoding, Python, etc. Also was on a team that created an entire curriculum on Stanford eDX (with videos!) on computer science.

Other Work Experience

Dean of Students Tutor, Harvey Mudd College, 1/13-6/13

Extra-curricular Activities

W-ACM Treasurer 6/14-Present

Society of Women Engineers Treasurer 6/13-Present

Summer Institute Mentor 4/14-8/14

5C Hackathon - Beginners Section Spring 2013 and Fall 2014

Others: personal website, iOS/Android app development, web development, Netflix, exercise, climbing and hiking.