Jonathan**Chang**

Objective: A summer internship in the field of software development

contact

HOME:
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SCHOOL:
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technical skills

Programming
proficient in
C, C++, C#, Java, JavaScript, PHP, Python
familiar with
Dojo, HTML, Perl, Prolog, Racket, Ruby, Ruby on Rails, SQL

Software
Unity, Visual Studio, 3ds Max, MATLAB, Quartus

Operating Systems
Windows (client and server), Linux (Red Hat/Fedora, OpenSUSE, Arch), Android

coursework

[CS42] Principles and Practice: Computer Science · [CS70] Data Structures/Program Development · [CS81] Computability and Logic · [CS105] Computer Systems · [CS121] Software Development · [CS131] Programming Languages · [CS151] Artificial Intelligence · [ENGR11] Autonomous Vehicles · [ENGR84] Electrical and Magnetic Circuits/Devices · [ENGR85] Digital, Electrical, & Computer Engineering · [MATH35] Probability and Statistics; [MATH55] Discrete Mathematics · [CL57] Core Lab – Image Processing

education

Expected 2017 **Bachelor** of Computer Science   Harvey Mudd College, Claremont, CA
Major GPA 3.868
Dean's List: Spring 2014, Fall 2014, Spring 2015

experience

Work Experience

Summer 2015 **Intentional Software Corporation**   Bellevue, WA
Intern Software Analyst and Developer
- Leveraged Intentional's application platform to create a unique color editor tool allowing users to manipulate 3d representations of color space

Summer 2014 **Smith Micro Software - Productivity and Graphics Department**   Santa Cruz, CA
Software Engineering Intern
- Implemented a content browser for Poser Pro (Smith Micro's 3d animation tool) using JavaScript and the Dojo toolkit
- Added texture processing and multi-animation support to Poser Pro's FBX file format exporter using C++
- Created a demo game using the Unity engine to demonstrate Poser Pro's Unity support

Leadership Experience

9/15–Present **Harvey Mudd College**   Claremont, CA
Computer Science 70 Head Grader/Tutor
- Organize grading and tutoring logistics for Harvey Mudd's Data Structures and Program Development course, CS70
- Correct and grade CS70 homework assignments
- Provide assistance on homework and test preparation for CS70 students

9/15–Present **Harvey Mudd College**   Claremont, CA
Peer Academic Liaison
- Connect Harvey Mudd students to academic resources and provide support, especially for first-year students

5/11–8/15 **VirtualVEX Simulator Project**
Creator and Head Developer
- Developed VirtualVEX, an open-source, customizable robotics simulator program using the Unity engine
- Online at sites.google.com/site/virtualvex/