TIMOTHY DENG

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EDUCATION

UNIVERSITY OF CALIFORNIA, SAN DIEGO SEPTEMBER 2015 – JUNE 2019 (EXPECTED)
- BS in Computer Science, minor in Cognitive Science
- 3.93/4.0 GPA
- Muir College Honors Program

DOUGHERTY VALLEY HIGH SCHOOL AUGUST 2011 – JUNE 2015
- Cumulative unweighted GPA 3.77, weighted 4.38
- Golden State Seal Merit Diploma, California State Seal of Biliteracy, California Scholarship Federation Life Member, and Highest Honors
- National Merit Semifinalist, National AP Scholar, and AP Scholar with Distinction

PROJECTS

YHACK 2015
- Developed a chat bot that uses Markov chains and Facebook Messenger data to talk to user
- Script for parsing Messenger data written in Perl, chat program written in Java (both on GitHub)

DVHS CONNECT:ED CLUB 2012-2015
- Tutored elementary school students at Quail Run Elementary School for math and reading
- Designed the club website that helped over 100 registered club members keep track of volunteer hours (www.dvhsconnected.com, though now managed by new club members)
- Written in PHP, HTML, and CSS, with MySQL

STUHDY (HS HACKS) 2013
- Made a crowd-sourced website that provided multiple choice questions in various subjects
- Used PHP, HTML, and CSS, with MySQL

MOOZIK (LA HACKS) 2013
- Created a web app that played music relevant to user input using the Rdio JavaScript API
- Written in PHP, JavaScript, HTML, and CSS

EXPERIENCE

ARCSOFT INTERN SUMMER OF 2014
- Developed a process for quality assurance of ArcSoft's Closeli Simplicams
- Checked packaging for design issues, updated firmware of cameras prior to shipping, and bug tested cameras to ensure the best experience for the customer

USA COMPUTING OLYMPIAD PROGRAMMING 2012-2015
- Silver level in the competitive algorithmic programming tournament for US high school students
- Vice President of USACO Club at Dougherty Valley High School
- Set up meetings such as programming workshops and competitive coding practice after school
- Planned events like Stanford ProCo 2013, organized a competitive team of Java programmers

TECHNICAL SKILLS

LANGUAGES
- Java, PHP, CSS, HTML, and Mandarin Chinese
- Used some Perl and C++ before, excited to sharpen skills or learn any new languages

TECHNOLOGIES
- MySQL, UNIX/Linux, Git, GitHub, JUnit, Eclipse, Microsoft Office, and vim

COURSEWORK

COMPUTER SCIENCE
- CSE 11: Introduction to Computer Science and Object-Oriented Programming
- CSE 20: Discrete Mathematics
- CSE 21: Mathematics/Algorithms & Systems Analysis
- CSE 12: Basic Data Structures and Object-Oriented Design
- CSE 15L: Software Tools and Techniques Lab
- CSE 30: Computer Organization and Systems Programming *(Spring Quarter)*
- COGS 9: Introduction to Data Science *(Spring Quarter)*