

# TIMOTHY DENG

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**OBJECTIVE** | Software Engineering Intern position for summer of 2016

**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](http://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** | **ARCISOFT 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*)