

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

STUDHY (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 | INTELLECY INTERN JUNE 2016 - PRESENT

- Created an iOS Swift application that uses optical character recognition libraries to scan receipts
- Implemented OpenCV C++ algorithms in iOS to preprocess images for Tesseract OCR
- Connected to the ABBYY Cloud OCR API for online recognition
- Used regular expressions to parse output into actionable data along with some Python scripting

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

TECHNICAL SKILLS | LANGUAGES

- Proficient in Java, Swift, C, RISC Assembly, PHP, HTML/CSS, Mandarin Chinese
- Familiar with Perl, C++, Python, Bash, JavaScript

TECHNOLOGIES

- MySQL, regular expressions, OpenCV, Tesseract, UNIX/Linux, Git & GitHub, JUnit, Eclipse, vim

COURSEWORK | COMPUTER SCIENCE

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|---|---|
| • CSE 11: Introduction to CS & OOP | • CSE 15L: Software Tools & Techniques |
| • CSE 20: Discrete Mathematics | • CSE 30: Computer Org & Systems |
| • CSE 21: Algorithms & Systems Analysis | • CSE 100: Advanced Data Structures |
| • CSE 12: Basic Data Structures & OOP | • CSE 105: Intro to Theory of Computation |

COGNITIVE SCIENCE

- COGS 9: Introduction to Data Science