

Timothy Deng

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EDUCATION | University of California, San Diego

Sept 2015 – June 2019 (expected)

- BS in computer science, minor in cognitive science
- 3.92 / 4.0 cumulative GPA
- Senior standing
- Muir College Honors Program
- Provost Honors every quarter

COURSEWORK | Computer Science

- Introduction to CS & OOP
- Discrete Mathematics
- Algorithms & Systems Analysis
- Basic Data Structures & OOP
- Software Tools & Techniques
- Computer Org & Systems
- Advanced Data Structures
- Intro to Theory of Computation
- Software Engineering
- Design and Analysis of Algorithms

Cognitive Science

- Introduction to Data Science

WORK EXPERIENCE | Software Engineering Intern, Intellecty

San Marcos, CA, June 2016 – Sept 2016

- 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

Intern, ArcSoft

Fremont, CA, June 2014 – Sept 2014

- Developed a process for quality assurance of ArcSoft's Closeli Simplcams
- Checked packaging for design issues, updated firmware of cameras prior to shipping
- Bug tested hundreds of cameras to ensure the best experience for the customer

PERSONAL PROJECTS | YHack – Java, Perl

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 ConnectED Club – PHP, HTML, CSS, SQL

2012 – 2015

- Tutored elementary school students at Quail Run Elementary School for math and reading
- Designed the club website that helped over 100 club members keep track of volunteer hours
- Can be found at www.dvhsconnected.com, though now managed by new club members

Studhy (HS Hacks) – PHP, HTML, CSS, SQL

2013

- Made a crowd-sourced website that provided multiple choice questions in various subjects
- Used MySQL to handle storing questions and answers, received 100s of questions in first week

Moozik (LA Hacks) – PHP, HTML, CSS, JavaScript

2013

- Created a web app that played music relevant to user input using the Rdio JavaScript API

TECHNICAL SKILLS | Languages

- Java
- Swift
- C
- Python
- PHP
- HTML/CSS
- Perl
- C++
- RISC Assembly
- Bash
- JavaScript
- Mandarin Chinese

Technologies

- MySQL
- Regular expressions
- Tesseract
- UNIX/Linux
- Git & GitHub
- vim