

Matthew A. Chan

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EDUCATION

University of California, Los Angeles

Graduated: March 2016

B.A. Economics, Specialization in Computer Science

- Cumulative GPA: 3.65
 - Dean's Honor List: Winter 2013, Winter 2015, Spring 2015, Winter 2015
 - Relevant Coursework:
 - Data Structures & Algorithms – Object-Oriented Programming – Data Mining & Big Data
 - Discrete Structures – Design Patterns in OOP – Fundamentals of Artificial Intelligence – Web Programming
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PROFESSIONAL EXPERIENCE

Web Developer

February 2015 – June 2015

Modulates Corporation

Santa Monica, CA

- Conducted extensive market research to orient the direction of the company in the online ad industry
 - Redesigned the Modulates website and the member dashboard with the web development team
 - Reviewed the web development team's source code to learn about the structure of the company's stack
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NOTABLE PROJECTS & COURSEWORK

Doors (Unity Game)

- Created a 3D first-person horror game as part of a university organized hacking event on a five-man team
- Implemented all of the C# object and player control scripts and designed the game levels

Text Analyzer (Python App)

- Wrote a script that takes in images of handwritten letters uses machine learning to identify the letters
- Implemented the Linear Support Vector Classification method to train the machine learning model

Sleepless (Web App)

- Designed, developed and deployed a web application using Heroku for a UCLA organization
- Created viewports to reorganize page elements for compatible viewing on mobile and tablet devices

Network Pong (Java Game)

- Created a two-player pong game using Java sockets for players to interact over the network
- Implemented multi-threading to more efficiently handle user keyboard inputs and game animations

Algorithm Analysis Program

- Worked on a script to analyze the runtime efficiency of common sorting algorithms and compare the results
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RELEVANT SKILLS

- **Programming Languages:** C++, Java, Python, JavaScript, C#, HTML, CSS, PHP, Swift
 - **Environments:** Android Studio, MEAN Stack, Unity, Git, Stata, Eclipse, Visual Studio, Xcode
 - **APIs/Frameworks:** AngularJS, Express.js, Bootstrap, Qt, Yelp API
 - **Languages:** Mandarin, Cantonese, Japanese, Korean
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