

Matthew A. Chan

(610) 500-3292 | matthew.a.chan@gmail.com | <https://www.github.com/matthewachan>

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
-

PROFESSIONAL EXPERIENCE

Software Engineer

June 2016 – Present

Intel Corporation

Folsom, CA

- Created data visualization dashboards that managers will use to monitor company sales performance
- Developed random forest algorithms to run on the Hadoop cluster and generate analytical predictions
- Restricted back-end sales data exposure in the dashboards based on the viewer's company role
- Collaborated with the development team to introduce new technologies and APIs into our workflow

Web Developer

February 2015 – June 2015

Modulates Corporation

Santa Monica, CA

- 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
-

NOTABLE PROJECTS & COURSEWORK

Doors (Unity3D 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 interaction and player control scripts and designed the game levels

Text Analyzer (Python App)

- Wrote a script uses a support vector machine to classify English letters present in a photograph
- Achieved a 99% prediction accuracy after using only 20% of the dataset to train the model

imgTrack (Python App)

- Developed a computer vision app that tracks and highlights the position of a given object in a video clip

SleeplessLA (Web App)

- Deployed a cross-platform MEAN stack web app for a UCLA street dance organization on Heroku
-

RELEVANT SKILLS

- **Programming Languages:** C++, Python, Java, JavaScript, C#, R, SQL, PHP
 - **APIs/Frameworks:** AngularJS, Express.js, Mongoose, Hadoop, OpenGL, Qt
 - **Development Environments:** Unity3D, Unreal Engine, Autodesk Maya, Android Studio, Git, Stata
 - **Languages:** Mandarin, Cantonese, Japanese, Korean
-