

# Austin Mason

La Jolla, CA - Email me on Indeed: [indeed.com/r/Austin-Mason/927474c737f4e744](https://www.indeed.com/r/Austin-Mason/927474c737f4e744)

## WORK EXPERIENCE

### Head Tutor

UCSD - Computer Science & Engineering - La Jolla, CA - December 2014 to Present

CSE 12 - Basic Data Structures and Object-Oriented Design

CSE 150 - Introduction to Artificial Intelligence: Search and Reasoning

- Held office hours to help teach course material and give problem specific guidance
- Assisted in the development of assignments and test material

### Machine Learning Intern

Area 1 Security - Redwood City, CA - June 2016 to September 2016

Built classifier using crawler data and email metadata to detect phishing threats

Investigated feature set for email classifier and identified patterns in large PostgreSQL database

Introduced additional rules to system that increased True positive on test database by 1.2% without an increase in false positives

Aided in the automation of client setup and MX record updates using RESTful API's and HTTP

### R&D Summer Internship

Cubic Corporation - June 2015 to September 2015

Implemented Facial Recognition software using OpenCV libraries

- Applied image normalization techniques including PCA, gamma correction, histogram equalization and difference of Gaussians to improve success rate
- Aided with server communication and database organization
- Demoed end product to customer on site
- Utilized scrum methodology and agile development principles

## EDUCATION

### Bachelor of Science in Computer Science

University of California San Diego - San Diego, CA

October 2013 to March 2017

## ADDITIONAL INFORMATION

### Skills/Qualifications

- Technical Skills: Python, C++, Java, C, Assembly, Verilog, HTML, CSS
- Convolutional neural networks in Caffe, Tensorflow
- Python machine learning libraries (scikit-learn, xgboost, etc)