

# Jay T. Cloyd

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<https://github.com/JaysonSunshine/Portfolio>

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## Relevant Skills

*Communication skills:* Strong verbal and written communication skills (GRE 169)

*Computer science*

- Languages: R (1.5 years), Java (6 months), C/C++ (3.5 years), Python (1 year), Bash, HTML (4 months), Lisp, OCaml, Prolog, PHP (4 months), Perl (beginner), Objective-C (exposure), MATLAB (beginner)
- Database: MySQL (6 months), knowledge of NoSQL systems and Map Reduce model
- Other: Graphics (OpenGL), cryptography, software engineering

*Computational science*

- Computational statistics: principal component analysis, expectation-maximization, clustering methods, hidden Markov models, Monte Carlo methods, regression analysis
- Bioinformatics: sequence alignment, genome wide association studies, gene prediction models
- Computational neuroscience models

*Machine Learning and Data Mining*

- Decision trees, support vector machines, neural networks, some natural language processing

## Education

*University of California, Los Angeles:* Senior (Honors Student)

2012-Present

- Computer Science B.S. (March 2015): 3.70 GPA
- Computational and Systems Biology B.S. (March 2015): 3.41 GPA (Highest GPA in major, ~40 students)
- Molecular, Cell, and Developmental Biology B.S. (March 2015): 3.61 GPA
- Statistics minor (Summer 2014): 3.74 GPA
- Research
  - o Whole genome annotation of the oak, enhanced with RNA-sequence data
  - o Winter 2015: Public policy and natural language processing: Bot for Wikipedia which would allow for some text summarization as part of policy automation to assist human administrative decision making
  - o Understanding dysfunction and loss of synapses that occurs in Alzheimer's disease; identification of early detection biomarkers

*Massive Open Online Course/MOOC*

2014-Present

- Coursera: Data science specialization: enrolled
- MongoDB University: MongoDB for Python Developers: enrolled
- Information Visualization MOOC 2015: enrolled

## Honors and Awards

- Finished 1<sup>st</sup> in 8<sup>th</sup> Saddleback Annual Academic Triathlon with highest ever score on record
- Highest ASVAB (a measure of general aptitude) in entire battalion of 1000 Marines (3.04 STD above mean)
- GRE: 169 verbal/165 quantitative/99.984%tile overall

## Work Experience

**Talega Golf Club**

San Clemente, CA

2009-2010

*Server/Bartender*

**United States Marine Corps**

Camp Pendleton, CA

2007-2009

*Infantry*

- Responsible for the safeguarding of military weaponry
- Integrated in a team of five Marines during multiple training exercises, including training with live ammunition and explosives
- Maintained \$12,000 worth of personal, military equipment in a state of operational readiness