

Mailing Address:
304 S. Jones BLVD #2098
Las Vegas, NV 89107

Malcom Gilbert
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MIT Grad · Software Engineer · Machine Learner

Permanent Address:
1122 Rosetta St.
Lake Charles, LA 70607

EDUCATION

MASSACHUSETTS INSTITUTE OF TECHNOLOGY Cambridge, MA
M.S. in Artificial Intelligence (not completed) *June 2014 – May 2015*
B.S. in Electrical Engineering & Computer Science *September 2009 – June 2014*
Relevant Coursework: Elements of Software Construction, Design & Analysis of Algorithms, User Interface Design, Introduction to Electrical Engineering & Computer Science I & II, Communicating with Mobile Technology, Machine Learning, Linear Algebra, Computer Graphics, Artificial Intelligence, Introduction to Inference, Microelectronic Devices & Circuits, Large-Scale Symbolic Systems, Advanced Topics in Communications, Society of Mind, Probabilistic Systems Analysis, Open Source Software Project Lab, Undergraduate Advanced Project

ALFRED M. BARBE HIGH SCHOOL Lake Charles, LA
Unweighted GPA: 4.0 – Weighted GPA: 4.16 *August 2005 – May 2009*
Relevant Coursework: Computer Technology Literacy, Statistics, Calculus BC

WORK EXPERIENCE

FREELANCE Remote
Machine Learning Engineer *March 2012 – Present*

LAMBDA, INC. (YC17) Remote / San Ramon, CA
Artificial Intelligence / Machine Learning Consultant *October 2017 – December 2017*

- Created syllabus to teach students machine learning and artificial intelligence

IDEAFLow, INC Remote / Palo Alto, CA
CTO / Machine Learning Engineer *September 2014 – December 2016*

- Created a visual representation of relational data in a flow-chart style web interface
- Solely built initial version of software using Node.js, MongoDB, and Socket.IO
- Raised a \$1.8 million dollar seed round from initial application
- Implemented second version of software using React, Redux, Node.js, MySQL, and AWS
- Used Jenkins, Terraform, Ansible, Docker, and Selenium for automated deployment and monitoring
- Created algorithms for predictive analytics and assisted search applications

MASSACHUSETTS INSTITUTE OF TECHNOLOGY Cambridge, MA
Teaching Assistant – Artificial Intelligence *September 2014 – January 2015*

- Taught weekly recitations of roughly 10 students the art of Artificial Intelligence
- Designed and debugged programming exercises in Python
- Created exam questions, gave weekly recitations, and held review sessions

PINTEREST San Francisco, CA
Backend Machine Learning Engineer (BlackOps Team) *June 2013 – January 2014*

- Created a service for extracting features from websites using PhantomJS
- Experimented with Variable Order Markov Models for analyzing user behavior
- Implemented graphical interfaces for statistical analysis of user data using D3.js
- Helped create a realtime rule-based system for detecting and blocking spam and porn
- Used Qubole, Hive, and SQL for big data processing and Kafka for stream processing
- Managed servers with Puppet, AWS, Supervisor, Thrift, and Jenkins

CVISION TECHNOLOGIES Forest Hills, NY
Machine Learning Intern *January 2013 – February 2013*

- Extracted features from images to improve OCR classification accuracy
- Experimented with Support Vector Machines and K-Means clustering algorithms for OCR using C++
- Developed an incremental model training framework in Python

INTEL CORPORATION Folsom, CA
3D Graphics Driver Team Intern *May 2012 – August 2012*

- Headed a team of 3 to create a desktop dashboard application, web server, and web application
- Architected database structure for MongoDB and implemented a webserver to handle API calls
- Designed look and feel of dashboard application, and iterated based on feedback from users
- Created architecture to allow other teams to easily integrate content via an administrative page

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DANCE NETWORK

CTO / Full Stack Developer

Boston, MA

March 2012 – May 2013

- Created a full stack web application for dancers using node.js and MongoDB

INTEL CORPORATION

3D Graphics Driver Team Intern

Folsom, CA

May 2011 – January 2012

- Set up a Jenkins Continuous Integration server for driver testing
- Developed a framework for running driver certification tests robust to machine reboots
- Created a graphical desktop application to help parse driver log files

SKILLS

- *Design Software:* Photoshop, Illustrator, After Effects, Lightroom, Sketch, Gimp, Cinema 4D, Maya
- *Web Programming:* HTML, CSS, JavaScript, SQL, jQuery, Django, Node.js, Ruby on Rails, Express
- *Programming:* Python, R, Java, MATLAB, Objective-C, C++, C#, Bash, Ruby, Scheme, Go, Rust
- *Big Data:* Hive, Hadoop, Qubole
- *Dev Ops:* Vagrant, Docker, Chef, Puppet, Jenkins, Ansible
- *Web Architecture:* Nginx, Memcached, Varnish, Thrift, Kafka, Monit, Redis, Amazon Web Services, Elasticsearch, MongoDB, PostgreSQL, MySQL, MariaDB