

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

# Malcom Gilbert

malcom@mjpgil.com  
(510)-330-8041

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

August 2005 – May 2009 Unweighted GPA: 4.0 & Weighted GPA: 4.16

*Relevant Coursework:* Computer Technology Literacy, Statistics, Calculus BC

## WORK EXPERIENCE

---

### IDEAFLow, INC

Palo Alto, CA

#### Co-Founder & CTO

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
- Pitched to various investors and raised a \$1.8 million dollar seed round
- 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

### 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
- Helped students with conceptual and programming problems in weekly office hours
- Created exam questions and held review sessions

### PINTEREST

San Francisco, CA

#### BlackOps – Intern

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
- Received full-time offer upon graduation

### CVISION TECHNOLOGIES

Forest Hills, NY

#### Software Engineering 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 – Technical 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

### INTEL CORPORATION

Folsom, CA

#### 3D Graphics Driver Team – Technical Intern (DevOps)

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

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

# Malcom Gilbert

malcom@mjpgil.com  
(510)-330-8041

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

## MIT IS&T - ADAPTIVE TECHNOLOGY INFORMATION CENTER (ATIC) Cambridge, MA Student Lab Technician June 2010 – May 2011

- Converted course material to a more accessible format to facilitate the education of students with physical or mental disabilities
- Assisted MIT affiliates with computer-related injuries by evaluating their issues and suggesting alternative hardware, software, or methods of use depending on the problem
- Set-up and maintained over ten computers running Windows, Mac, and UNIX operating systems
- Handled server-side installation of software and learned valuable database skills

## ACTIVITIES & ORGANIZATIONS

---

### MIT CONSTRUCTS Cambridge, MA Dancer / Choreographer September 2012 – January 2015

- Attended weekly practices in the dance genres of popping and locking
- Choreographed for performances around Boston

### PHOTOGRAPHY Cambridge, MA 500px.com/malcomgilbert June 2012 – Present

### VOCAL JAZZ ENSEMBLE Cambridge, MA Vocalist February 2011 – May 2011

### NU DELTA FRATERNITY Boston, MA Webmaster July 2010 – February 2012

- Redesigned and updated the fraternity website: *nudelta2010.mjpgil.com* & *nudelta2011.mjpgil.com*
- Set up workstations running a dual-boot of Windows 7 and Ubuntu and a server running Red Hat

### MIT DANCETROUPE Cambridge, MA Dancer February 2010 – May 2011

- Practiced for and participated in a four-day dance showcase at the end of the Fall semester
- Developed strong personal skills by interacting and collaborating with a group of dancers

### DISCOVER MECHANICAL ENGINEERING (PRE-ORIENTATION PROGRAM) Cambridge, MA Team Member August 2009

- Worked with a team of 4 to design and build soccer-playing robots to compete in a soccer tournament
- Used machines including band saw and drill press while learning valuable techniques such as soldering

## 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, PHP, 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