

# Clay McLeod

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## CONTACT INFORMATION

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## RESEARCH INTERESTS

Applying practical data science to real world problems. Currently focusing on deep neural networks and distributed machine learning.

## EDUCATION

**University of Mississippi**, University, MS

M. S. Computer Science

**May 2016**

- Master's GPA - 4.0/4.0
- Financed my college education through assistantships and scholarships.

B. S. Electrical Engineering (emphasis in Computer Engineering)

**May 2014**

- Major GPA - 3.81/4.0, Overall GPA - 3.66/4.0
- Graduate of the Sally McDonald Barksdale Honors College

## PROFESSIONAL EXPERIENCE

**CM Technology, LLC** - Memphis, TN

*Co-Founder and Vice President*

**January 2015 - Present**

- Sole electrical and software engineer for a company focused on providing technological innovation to the construction industry.
- Complete native mobile app on iPhone (Swift), website and server written on the MEAN stack (MongoDB, ExpressJS, AngularJS, NodeJS).
- Created proprietary microelectronic device to compliment software solution.

**FedEx Services** - Memphis, TN

*Software Analyst Intern*

**Summer 2015**

- Built a native, internal mobile application for iOS (Swift) and Android (Java).
- Created a scalable backend server with NodeJS, ExpressJS, and MongoDB.
- Created a proprietary machine learning server/path optimization server written in Python with open-source tools such as scikit-learn and pandas.
- Recipient of the FedEx Technical Mastery award (x2) and the Director's Choice Award for best project. Employee choice award for 2015 best intern project.

**University of Mississippi** - University, MS

*Head Teacher's Assistant*

**Fall 2014 - Present**

- Full time assistantship that financed Master's degree.
- Hired and managed 30 teacher's assistants. Coordinated lab times programming classes.
- Managed 400 student's lab grades throughout the year.

*Research Assistant (Biometric security)*

**October 2013 - Present**

- Developed a new kind of biometric authentication system for mobile security using machine learning, exponentially decreasing the likelihood of a successful attack on the system.
- Currently pursuing patent for this software.

*Research Assistant (Facial Recognition)*

**Spring 2011 - Fall 2012**

- Researched and wrote platform independent facial recognition software.
- Skills learned include proficiency in the C and JavaScript languages, knowledge of the WebGL pipeline, and specialized implementation of the OpenGL Shading Language.

**Logal Systems, LLC.** - Memphis, TN

*Electrical Engineering Intern*

**Summer 2014**

- Fabricated multiple electrical control panels for a wide range of applications.
- Assisted engineers with control automation design in AutoCAD.

## RELEVANT SKILLS

Machine Learning, Data Mining, Data Science, Statistical Modeling, Artificial Intelligence, Python 2/3, R, NodeJS, Java, Javascript, C++, C, MEAN stack, Web Development, iOS/Android Development.

## HONORS AND AWARDS

- University-related
  - Full graduate assistantship
  - Adler Engineering Scholarship (4x)
  - Academic Excellence Scholarship (4x)
  - Chancellor's Honor Roll (4x)
  - Upsilon Pi Epsilon (Computer Science Honor Society)
  - Pi Mu Epsilon (Mathematics Honor Society)
  - Gamma Beta Phi (National Academic Honor Society)
  - Sigma Alpha Lambda (National Academic Honor Society)
  - National Society for Collegiate Scholars
  - Graduated Cum Laude (undergraduate)
- Career-related
  - FedEx Technical Mastery award (x2)
  - FedEx Director's Choice Award for best project
  - FedEx Employee choice award for 2015 best intern project
- Miscellaneous
  - Sally McDonald Barksdale Honors College member
  - Featured writer on [www.kdnuggets.com](http://www.kdnuggets.com) (popular datascience blog)
  - Alpha Tau Omega Philanthropy Chairman, Alumni Relations, Leadership, Scholarship, and Membership Education Committees
  - Voted top 5 fraternity leaders