Clay McLeod

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**
- Major GPA - 4.0/4.0, Overall GPA - 3.92/4.0
- 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.

Logical 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.