

# MAURICE PROSPER

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## EDUCATION

Texas Tech University  
Lubbock, Texas

Computer Science  
3.36 GPA

Graduating Spring 2016  
Senior

Stanford University

Machine Learning

Completed January 2016

## EXPERIENCE

- **Independent Research for Smart Cities** Fall 2015 - Present  
Researching the best method to optimize and track important information in the city and at home.  
Using small robots and Arduino microcontroller to calculate and optimize energy consumption in sample home.
- **NASA Summer Intern at Johnson Space Center** Summer 2015  
Migrated the internal web services from our department from SharePoint 2010 to SharePoint 2013.  
Developed the Crew Support LAN website.
- **IBM Tools Development & eSupport Services Co-Op** 2014 - 2015  
Developing software to analyze and solve work related problems for IBMers (wiki page & analytics)  
Project built by remote team of 5 using Java, ANT Builder, Apache Tomcat, IBM DB2 & dojo
- **CurateKing Technical Cofounder** 2013 – 2014  
Launched Austin startup to assist local business owners promote their brand online through Twitter's RESTful API

## PROJECTS

- **Spam Email Classifier API** Spring 2016  
Collaborating with 2 other computer scientists at Texas Tech to create a spam email classification system using machine learning. The system makes use of neural networks in python, using TensorFlow, to predict an email's spam probability. The system learns when an email is label spam or not spam by a user.
- **Node.JS GameCube driver** February 2016  
An interface between a Nintendo GameCube controller and the browser, or Windows Human Interface Device API. This package is useful for JS and browser game developers who would like to take advantage of the GameCube controller's unique style in their game. Open Source found at <http://github.com/mothepro/Gamecube>
- **PHP Web App Compiler** 2015  
Command line script which builds project on local machine and deploys it on specified server.  
Can run tasks such as compress static content and optimize images and front end scripts.  
Find repository at <https://github.com/mothepro/MoCompiler>
- **Market Quotes** 2015  
A layer of abstraction for public information on the stock market. Makes use of self-made RESTful API.  
Find repository at <https://github.com/mothepro/MarketQuotes>
- **ParkShade.com** 2014 - Present  
Debating platform for learning, viewers easily see both sides of argument

## LEADERSHIP & SKILLS

- President of Upsilon Pi Epsilon Chapter at Texas Tech University 2015 – Present
- Library development & server side scripting using Node.JS, PHP and Python
- Developed web applications using MySQL and SQLite as databases
- Windows desktop application development using C, C++, GML, and Intel 64 bit assembly
- Android application development in Java using Android Studio
- Swim instructor for toddlers Summer 2013
- Can speak, and understand French & Haitian Creole as well as English.