Austin Brown

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Education

Bachelor of Science in Statistics   **May 2017**
University of Florida, Gainesville, Florida   (expected)
- Major: Statistics
- Minor: Entrepreneurship
  - GPA: 3.37

Work Experience

Software Engineering Intern   **June-August 2016**
American Express, Plantation, FL
- Used Splunk to mine and visualize data
- Built a web application from scratch using Python Flask and Ember.js
- Participated in an "Innovation Sprint" which was focused on the automation of the intern hiring process
  - https://github.com/brownac/AmExHackathon

Web Development Intern   **September 2015-December 2015**
MaidSuite, Gainesville, FL
- Worked on MaidSuite's RESTful API to make data accessibility more robust
- Gained backend programming experience in PHP and MySQL
- Learned about the concept of MVC programming using Angular.js

Music Curation Intern   **September-December 2014**
Grooveshark, Gainesville, FL
- Organized Grooveshark's large library of music by genre
- Gained experience finding bugs in a beta version of a web application
- Learned fundamental software engineering principles

Leadership and Involvement

Student Research Assistant
McKnight Brain Institute - University of Florida, Gainesville, Florida   **January 2017-present**
- Worked in Dr. Andrew Maurer's lab as a data analyst
- Used MATLAB and R to analyze data from periods of monosynaptic synchronization
- Implemented machine learning to better predict neuron behavior

Web Development Coordinator   **September 2016-present**
SwampHacks, Gainesville, Florida
- Responsible for building the website for UF's annual hackathon
- Created the API and participant application/registration system
- Kept the website updated on the day of the event

Director, Bands   **August 2015-April 2016**
Reitz Union Board of Entertainment, Gainesville, Florida
- Lead the Bands committee, which brings musical acts to UF
- Participated in Big Orange Fest, a yearly festival featuring prominent bands and comedians

Skills

Programming Languages:
- Java (Proficient - COP3502)
- JavaScript: jQuery, React, MEAN stack, Ember, Meteor, ES6 (Proficient)
- PHP: Slim (Intermediate)
- Python: Flask, NumPy, Pandas (Intermediate)
- Databases: MySQL, MongoDB, SQLite (Intermediate)
- Big data: Splunk (Proficient)
- Mathematical programming languages: R, MATLAB (Intermediate)

Experienced with Agile methodologies