Aadil Bhatti

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EDUCATION

University of Illinois at Urbana-Champaign, Urbana-Champaign, IL
Bachelor of Science, Mathematics and Computer Science, May 2017 GPA: 3.30
Minor in Chemistry

Courses: Data Structures, Computer Architecture, System Programming, Algorithms & Models of Computation, Numerical Methods, Programming Languages & Compilers

PROJECTS

Linux in the Browser: An in-browser System Programming environment including a C compiler and working Linux terminal. Worked on the project under Professor Lawrence Angrave during Spring 2016 - Fall 2016. Role was to make C compiler / terminal more portable for other developers to use and develop a Jupyter-like frontend as a use case.

Chimr: Built a "smart" doorbell at WildHacks 2015 which alerts the homeowner via text message that someone is at the door. Won **Best Use of Twilio API**. Potential uses include notification sent to parents to let them know that children have arrived home from school. Built with **Python/Flask, Twilio API, and Arduino**.

Rapsheet: Built a full-stack web application to track & analyze Twitter sentiment about music albums on Spotify. Goal was to search for trends between Twitter user opinions and Spotify album popularity. Made with **Python/Django, Spotify API, Alchemy API, and D3.js**.

Watdo: Built a full-stack web application to track local events in town of Dekalb, IL during HuskieHacks 2015; won **Best Civic Sector Project**. Goal was to collect events from multiple sources across the town and aggregate them for people who are not as familiar with the town to look at. Made with **Meteor.js**.

COMPUTER SKILLS

Languages: Java, Python, C++, C, Ruby, MATLAB
Web Development: HTML, CSS, JavaScript, Django, Ruby on Rails, SQL, Meteor.js, Knockout.js, D3.js
Other Tools: Android, Git/GitHub, Amazon Web Services (EC2, S3, DynamoDB), Arduino

EXPERIENCE

Software Engineering Intern **Capital One**
February 2016 - Present Urbana-Champaign, IL
Examined the utility of the Juju Charms service orchestration tool and its potential use within Capital One. Goal was to determine if Juju is a feasible tool for deploying applications to Amazon Web Services without needing extensive background knowledge as to how AWS works. Built simple web application in Django and deployed with Juju to illustrate how tool works and how to use it.

Software Engineer **PillSense**
May 2015 - Present Chicago, IL
PillSense is a healthcare startup devoted to tracking patient prescription adherence data in order address prescription abuse. We are currently designing a web application, a mobile application, and a sensor to track the weights of pill bottles. My role in the startup was, as the sole software engineer in a team of five, to build the web application for which care providers can access patient data.

INTERESTS

Web development, artificial intelligence, machine learning, numerical computing, system programming