

Aadil Bhatti

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Education

University of Illinois at Urbana-Champaign

Mathematics & Computer Science, Minor in Chemistry

Major GPA: 3.31

Champaign, IL

Expected May 2017

Computer Skills

- **Languages:** Java, Python, C++, C, Haskell, Ruby, MATLAB
- **Web Development:** HTML, CSS, JavaScript, Django, Ruby on Rails, Node, React, jQuery, D3
- **Mobile Development:** Android (Java, Android Studio), iOS (Swift, XCode)
- **Other Tools:** Git/GitHub, Amazon Web Services (EC2, S3, DynamoDB, Lambda), Arduino, Alexa Skills Kit (Amazon Echo)

Work Experience

University of Illinois

Undergraduate Teaching Assistant - CS 241

Champaign, IL

August 2016–Present

- Course assistant for undergraduate System Programming course
- Developing programming assignments for students as well as course software infrastructure such as testing, continuous integration, and autograding of assignments

Capital One

Software Engineering Intern, Information Security & Risk Management (ISRM)

Champaign, IL

May 2016–August 2016

- Built an SDK for iOS/Android apps which generates persistent Device ID for each user and associates with username / password. Used to match devices with users as part of multi-factor authentication support
- Learned about multi-factor authentication as well as development of iOS and Android applications

Capital One

Software Engineering Intern, Cloud Migration Strategy

Champaign, IL

February 2016–May 2016

- Determined the feasibility of using “Juju Charms” tool kit for deploying applications to Amazon Web Services without requiring extensive knowledge of AWS
- Built simple web application in Django and deployed with Juju as part of evaluation process
- Learned how to use various AWS services, app deployment and its roadblocks (scaling, security), using open-source software in enterprise environment

Projects

Linux in the Browser

- Developed under Professor Lawrence Angrave
- Worked on an in-browser System Programming IDE including C compiler & terminal
- Responsible for making C compiler / terminal more portable for developers to use as well as developing Jupyter-like frontend as a use case of the IDE
- Created with Node.js, React.js, Jor1k

Chimr

- Built a “Smart” doorbell which alerts homeowner via SMS that someone is at door
- Won Best Use of Twilio API at WildHacks 2015
- Designed for use cases including notifying parents to let them know children home from school
- Created with Arduino, Python/Flask, Twilio API

Rapsheet

- Built a full-stack web app to track & analyze Twitter sentiment about Spotify albums
- Designed to search for trends between Twitter user opinions & album popularity
- Created with Python/Django, Spotify API, Alchemy API, and D3.js