

Aadil Bhatti

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Education

Cornell University

Master of Engineering, Computer Science

Ithaca, NY

Expected May 2018

University of Illinois at Urbana-Champaign

Bachelors of Science, Mathematics & Computer Science, Minor in Chemistry

Major GPA: 3.23

Champaign, IL

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, Elasticsearch, CloudFormation), Alexa Skills Kit, Docker, Jenkins

Work Experience

Amazon Web Services

Software Development Engineering Intern, SDKs & Tools

Seattle, WA

June 2017–August 2017

- Joined the SDKs & Tools team, responsible for building plugins, SDKs, and other tools for interacting with AWS services
- Built a cross-product service to report plugin / tool crashes to the relevant development team
- Developed service from scratch, and handled design phase, security check, and production launch

University of Illinois

Undergraduate Teaching Assistant, System Programming

Champaign, IL

August 2016–May 2017

- Developed programming assignments for students as well as course software infrastructure such as testing, continuous integration, and autograding of assignments
- Initiated migration of grading infrastructure to Docker containers, allowing for total isolation of student code as well as specific environment checks

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

Projects

Distributed Systems

Built several distributed applications in undergrad distributed systems course using Golang

- A chat application using totally-ordered messaging and failure detection
- A distributed hash table based on Kademlia, a tree-based distributed hash table, including replication functionality
- A distributed transactional key-value store using two-phase commit and lock promotion to allow for concurrent transactions involving shared keys

Linux in the Browser

- Developed under Professor Lawrence Angrave
- Worked on an in-browser System Programming IDE including C compiler & terminal
- Built a [front-end package](#) that transforms static code snippets into live, runnable code using Linux in the Browser as a backend, made to be easy for developers to integrate into webpages
- Wrote and published [senior thesis](#) in Illinois Digital Environment for Access to Learning and Scholarship (IDEALS)

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