

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

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

Major GPA: 3.23

Champaign, IL

May 2017

Technical Skills

- **Languages:** Java, Python, C++, C, Golang, 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 which builds plugins, SDKs, and other dev tools for interacting with AWS services
- Built a cross-product service to report plugin / tool crashes to the relevant development team; handled design phase, security check, and production launch
- Won 3rd place in global intern hackathon with Alexa skill that provides family with choices for what to eat, then reports most popular choice to user

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, handling deadlock via cycle detection

Linux in the Browser

- Developed under Professor Lawrence Angrave at University of Illinois as part of senior thesis
- 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)