

IVY LEI

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EXPERIENCE

Software Engineer, Capital One

Feb 2018 – Present

McLean, VA

- Created Jenkins agents with IAM role support for assuming roles into AWS accounts
- Automated the process of uploading open source plugins to Artifactory
- Modified and launched cloud formation templates and chef cookbooks into S3 buckets
- Resolve failures by modifying security groups and deleting unused Route53 records
- Skills used: Python, Ruby, AWS, Bash

XP Software Engineer Intern, Allstate Corporation

May 2017 – Aug 2017

Northbrook, IL

- Worked on Photo Intake, a web app which leverages WebRTC to embed native camera on a web browser.
- Write unit tests for features implemented, increasing code coverage above 90%
- Followed Agile XP practices including TDD, pair programming, and iterative design
- Skills used: React, JavaScript, HTML, CSS, SASS, NodeJS, Github

Software Engineer Intern, ARRIS

May 2016 – Aug 2016

Lisle, IL

- Worked on cable team for Cable Modem Termination System (CMTS)
- Optimized stack memory by rewriting recursive algorithms into iterative logic
- Skills used: C++, ClearCase, Cscope, Linux/Bash

EDUCATION

University of Illinois at Urbana-Champaign

Graduation: Dec 2017

B.S. Statistics and Computer Science

- Cumulative GPA: 3.51
- Dean's List: Spring 2015
- Coursework: Data Structures, Systems Programming, Database Systems, Statistical Computing, Algorithms & Models of Computation, Web Development, Compilers

EXTRACURRICULARS

Grace Hopper Conference Volunteer

Oct 2017

- Received a scholarship to attend Grace Hopper Conference in Orlando, Florida

CERTIFICATIONS

- AWS Certified Solutions Architect (Associate)

SKILLS

- Proficient: Java, Python, JavaScript, Ruby
- Familiar: C++, C, React, Angular, R, SQL, PHP, OCaml