

Jungsoo Park

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Experience

HubSpot – Platform Infrastructure Intern (Summer 2017)

- ◆ Part of the Platform Infrastructure team, responsible for providing and maintaining various backend services used by other engineers and employees.
- ◆ Developed, maintained, and improved *CattleProd*, an internal tool written in **Java**. *CattleProd* generates configurable notifications that prompt developers to maintain their deployable projects, such as a deprecated dependency that requires upgrading.
- ◆ Refactored *CattleProd* to persist notifications (**MySQL**) rather than generate and send them on the fly. This enabled new types of notifications and a richer feature set. *CattleProd* is now critical in allowing HubSpot to have hundreds of separate deployables have dependencies on common libraries and update them quickly as needed.
- ◆ Wrote a **Python** script that updates project configurations for each company repository.

UnitedHealth Group, Optum – Technology Development Program Intern (Summer 2016)

- ◆ Led initial investigation into **React.js** as a new technology for the company and implemented it into our web app.
- ◆ Developed a web admin console used for managing the contents of a mobile app.
- ◆ Worked with the testing team to write automated tests using Cucumber and Gherkin.

Open System Solutions – Student Systems Programmer (Jan 2015 – Nov 2017)

- ◆ Part of a team responsible for maintaining a RPM repository of over 3,000 packages used throughout a user community of 70,000 faculty, staff, and students.
- ◆ Developed **Python** web applications used by students and faculty of the university (*shrunk* URL Shortener).
- ◆ Performed daily system administration of CentOS, Fedora, and Solaris machines using Nagios.

Projects

shrunk – The Official Rutgers URL Shortener (go.rutgers.edu)

- ◆ Developed a URL shortener used by hundreds of university faculty.
- ◆ Used **Flask** to serve up the frontend that displays the shortened URLs to the users.
- ◆ Created a wrapper/API for the frontend to interact with **MongoDB** and other short URL generation features.

Multiprocessing Bank Server – Systems Programming Project

- ◆ Used multiprocessing, threading, and networking system calls to create a mock bank server capable of handling concurrent read/write accesses to the bank data by multiple clients.
- ◆ Implemented a memory-mapped radix tree to store bank information for improved access times and to allow access by multiple processes.

Education

Rutgers University – New Brunswick (Expected May 2018)

School of Arts and Sciences, Honors Program – GPA: 3.3/4.0

Bachelor of Science in Computer Science

Awards: Dean's List, Dean's Scholarship, Rutgers Scarlet Scholarship

Skills

Technical: Java, C, JavaScript (Node, React), Python, MySQL, MongoDB

Tools: *nix, Vim, Git, Phabricator

Leadership

HackRU – Hackathon Director

- ◆ Organized a 24-hour hackathon held every semester, averaging over 800 attendees composed of students from universities on the East coast.