ANDREY CHMYKH

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EDUCATION

Carnegie Mellon University   August 2015 - Present
Bachelor of Science in Chemical Engineering with Minor in Computer Science   *Cumulative GPA: 2.7/4.0*

CURRENT PROJECTS

Rothfus Lab Inventory Database   May 2018 - Present
Lab Assistant Project   *Advisor: Matt Cline*

· Improved implementation of inventory management solution for 100 students and 700 unique items limited to one physical machine and had no authentication process
· Migrated all items using a Java script from Excel to a SQL database solution hosted by CMU SQL Server, allowing for item management by class administrator
· Utilized OpenCart, an open-source store-front software to connect to the SQL database via Apache
· Improved user experience by adding search functionality and increasing speed of service, while also introducing CMU authentication

WORK AND RESEARCH EXPERIENCE

IBM   June 2018 - August 2018
Hybrid Cloud Service Availability Engineer Intern

· Collaborated with development teams around the world to accommodate deployment of various services to the Cloud from unique source code repositories
· Developed a deployment pipeline by creating portable bash scripts utilized by a Jenkins framework
· Migrated packaging of services from manual to scripted while verifying correct environment variables
· Reduced deployment time of applications from days to minutes

Perrigo Nutritionals   May 2015 - August 2015, May 2016 - August 2016
Quality Assurance Lab Technician

· Standardized testing documentation to ensure proper identification of foreign materials in infant formula
· Aided decision-making on product releases in response to production failures and consumer complaints
· Led three-person team through QA process by analyzing backlog and assigning resources

LEADERSHIP AND EXTRACURRICULARS

Governor's Institute of Vermont   June 2015, June 2018
Camp Counselor

· Developed software to supplement lectures around application of game theory in mathematics
· Mentored students by advising on college decisions and cultivating an inclusive environment

TECHNICAL STRENGTHS

Programming Languages	Java, C, Python, nodejs, Groovyscript, Ansible, Bash, HTML, CSS, javascript, AngularJS, SML
Software & Tools	Docker, SQL, LaTeX, Markdown, Microsoft Office Suite, Jenkins, Artifactory
Soft Skills	Agile, Spoken Russian

RELEVANT COURSES

15-150: Principles of Functional Programming
Polymorphism Lab

· Utilized the functional programming principle of currying along with higher order functions to allow a single function to apply any number of computations on an input.

15-213: Introduction to Computer Systems
Shell Lab

· Created a shell program to run and delete child processes by running builtin commands and executable files, complete with input/output piping and signal handling