

ANDREY CHMYKH

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EDUCATION

Carnegie Mellon University

Bachelor of Science in Chemical Engineering with Minor in Computer Science

August 2015 - Present

Cumulative GPA: 2.7/4.0

CURRENT PROJECTS

Rothfus Lab Inventory Database

Lab Assistant Project

May 2018 - August 2018

Advisor: Matt Cline

- Develop web-based interface for the laboratory's inventory database, allowing easy access for students.
- Utilize campus resources to create an efficient process

WORK AND RESEARCH EXPERIENCE

IBM

Hybrid Cloud Service Availability Engineer Intern

June 2018 - August 2018

- Designed and created a standardized deployment pipeline for cloud based services offered by IBM
- Created portable code to allow for local and service-based deployment
- Accomodated deployment for various source code repositories from different services offered
- Reduced deployment time of applications from days to minutes.

Perrigo Nutritionals

Quality Assurance Lab Technician

May 2015 - August 2015, May 2016 - August 2016

- Worked in a cGMP environment to ensure safe practices and proper documentation.
- Tested product using various assays, including HPLC and LECO protein analyses to comply with FDA standards.
- Prevented a mistake in Standard Operating Procedure for x-ray testing of foreign materials in infant formula.
- Aided decision-making to release batches of product in response to production failures and consumer complaints.
- Organized co-workers while leading a Quality Assurance lab in testing.

LEADERSHIP AND EXTRACURRICULARS

Governor's Institute of Vermont

Camp Counselor

June 2015, June 2018

- Organized and developed software to supplement lectures about applications of mathematics to campers.
- Mentored students throughout the week, advising them in college decisions and cultivating an inclusive environment.

TECHNICAL STRENGTHS

Computer Languages

Java, C, Python, nodejs, Groovyscript, Ansible, Bash, HTML, CSS, javascript, AngularJS, SML

Software & Tools

Docker, SQL, LaTeX, Markdown, Microsoft Office Suite, Jenkins, Artifactory

Spoken Languages

Russian, English, Spanish

RELEVANT COURSES

Core Courses

Fluid Mechanics
Mathematical Methods of Chemical Engineering
Laboratory I: Introduction to Chemical Analysis
Chemical Engineering Thermodynamics
Heat and Mass Transfer
Unit Operations
Chemical Reaction Engineering
Unit Operations Lab
Chemical Process Systems Design

Other Courses

Concepts of Mathematics
Fundamentals of Programming
Introduction to Computer Systems
Principles of Functional Programming
Great Ideas in Theoretical Computer Science
Thermodynamics
Advanced Physical Chemistry
Biochemistry I
Operations Management