KIRK HIETPAS

CONTACT

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PROFILE

Current Master's student through the Master of Software Development (MSD) Program at the University of Utah. I am currently in search of Enginering positions with the Tech Industry.

SKILLS

- Proficient in Java, C++, Python
- Familiarity with C, Git, JS, Android, HTML, CSS, Docker and Spring
- Knowledge of software engineering concepts and practical applications
- Basic understanding of Network Programming and Cybersecurity
- Experience with TLS
- Experience with transport layer protocols TCP/UDP
- Experience with application layer protocols DNS and HTTP
- Excellent communication skills

EDUCATION

MASTER OF SOFTWARE DEVELOPMENT (MSD)
UNIVERSITY OF UTAH | 2020 - 2021 (PRESENT)

BACHELOR OF SCIENCE, BIOLOGY
MINOR, CHEMISTRY
UNIVERSITY OF MINNESOTA DULUTH | 2013 - 2015

COURSEWORK

- Current: Database Systems and Applications, Data Analytics and Visualization
- Previous: Intro to Software Development, Computer Programming, Data Structures and Algorithms, Systems I, Systems II, Software Engineering

EXPERIENCE

FLOW CYTOMETRY LABORATORY TECHNOLOGIST
UNIVERSITY OF UTAH | AUG 2018 - PRESENT

- Assist researchers with all aspects of Flow Cytometry including sorting, data analysis, training, etc.
- Conduct experiments to improve laboratory efficiency
- Maintain and troubleshoot Flow Cytometers
- Perform normal laboratory duties

CERTIFIED PHARMACY TECHNICIAN (CPHT)
ESSENTIA HEALTH | APR 2016 - AUG 2018

- Worked in a team responsible for delivery of prescription medications to outpatients
- Accurately entered and processed prescription medication under supervision of licensed pharmacist
- Provided excellent customer service delivering medications

UNDERGRAD/POST-GRAD RESEARCH ASSISTANT
UNIVERSITY OF MINNESOTA-DULUTH

- Dr. Huai Deng Laboratory | DEC 2016 - JUN 2017
- Dr. Julie Etterson Laboratory | AUG 2015 - DEC 2015
- Dr. Jennifer Liang Laboratory | JUN 2014 - DEC 2015

NOTEWORTHY PROJECTS

CACHING DNS RESOLVER (JAVA)
- DNS Resolver that listens for incoming DNS Requests. Returns IP to client either from local cache, or response forwarded from Google's Public DNS Server.

TRANSPORT LAYER SECURITY PROTOCOL (JAVA)
- Built a simplified version TLS protocol used in implementation of a file transfer application.

MSDSCRIPT INTERPRETER (C++)
- Built interpreter for mathematical expressions. Focused on optimization techniques and practical software engineering concepts.