Chase Meyer

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SKILLS

Technical /Computer Skills:

- **Proficient:** Python, C++, C, Swift, R, PyMol, Git, Linux/UNIX, Xcode, Word, Excel, PowerPoint
- **Experience with:** Java, HTML, CSS, JavaScript, UDP, TCP, SQL, RESTful APIs, JSON, Vim, Eclipse, Jupyter Notebooks, BioPython, Software Dev Processes (Agile Methods, Waterfall)

Relevant Coursework

Data Structures and OOP (I/II), Systems Programming, Software Development Processes, Software Modeling Techniques, Software Testing and Quality, Mobile Computing, Computational Bioinformatics, Systems Bioinformatics, Computational Biology, Scientific and Technical Computing

EDUCATION

The University of Washington Bothell - Bothell, WA — Commences September 2018
Master of Science in Computer Science and Software Engineering

The University of Washington Bothell - Bothell, WA — September 2017 – June 2018
Graduate Certificate in Software Design and Development
Overall GPA: 3.81

The University of Texas at Austin - Austin, TX — August 2013 - December 2016
Bachelor of Science and Arts, Biochemistry
Overall GPA: 3.61

Elements of Computing Certificate	GPA: 4.0
Computational Sciences and Engineering Certificate (ICES)	GPA: 3.73
McCombs Business Foundations Certificate (Honors Distinction)	GPA: 3.79

PROJECTS

Inter-Segment/Group UDP Broadcast — Spring 2018

- Implemented a UDP multicast relay program using C++ that enables a user-level UDP multicast environment across multiple network segments and/or multicast groups
- Created a multithreaded relay class to facilitate inter and intra-network segment communication through TCP sockets and UDP multicast sockets respectively

Scalable Inventory Tracking System — Winter 2018

- Constructed automated inventory tracking and sorting system in C++ using templated classes, hash maps, AVL trees, and the factory design pattern

TVForMe (iOS Application) — November 2016 – March 2017

- Developed TVForMe, an iOS app written in Swift, which acts as a hub for TV show information obtained through the utilization of JSON responses from multiple APIs

Evolution of Base Pairs in rRNA Secondary Structure — Fall 2016

- Collaborated with peers to develop a recursive binary tree based modeling program using Java and Python to illustrate inaccuracies in traditional Darwinian evolution for 16s rRNA

Optimized Sequence Alignment Tool — Fall 2016

- Implemented a sequence alignment tool in C on TACC's Lonestar 5 supercomputer
- Optimized performance by exploiting dynamic programming and OpenMP parallelism

WORK AND LEADERSHIP EXPERIENCE

Access Health and Science (Student Org) - Austin, TX — December 2014 – December 2016
Co-founder/ Treasurer

Macaroni Grill - Austin, TX — May 2013 - January 2014
Server

HONORS

- University Honors at UT Austin (4 semesters) — Spring 2015 - Fall 2016
- Dean's List at UT San Antonio (2 semesters) — Fall 2012 - Spring 2013