

ULYSSES BUTLER

Major in Computer Science

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📍 Unionville, MO 63565

EDUCATION

Truman State University GPA: 4.00/4.00

📅 August 2017 – Present

📍 Kirksville, MO

- Class of 2021
- Major in Computer Science
- Minor in Mathematics

RELEVANT COURSEWORK

CS 455 *Computer Security Fundamentals (IP)* Fall 2019

MATH 357 *Linear Algebra (IP)* Fall 2019

CS 310 *Data Structures and Algorithms* Spring 2019

CS 330 *Computer Architecture* Spring 2019

Taught using MIPS architecture

MATH 200 *Foundations of Mathematics* Spring 2019

A transition from computational to proof-based math

CS 250 *Systems Programming* Fall 2018

Introduction to C and C++

CS 260 *Object-Oriented Design* Fall 2018

Network and concurrent programming

CS 291 *Models of Computation* Fall 2018

CS 191 *Computing Structures* Spring 2018

MATH 198, 263, 264 *Calculus I – III* Fall 2017 – Fall 2018

CS 180 & 181 *CS Fundamentals* Fall 2017 & Spring 2018

Introduction to Ada and Java programming languages

WORK EXPERIENCE

Research Experience for Undergraduates Summer 2019

Washington University in St. Louis

Preprocessing of large data sets

Worked in a team, helped train colleagues

Introduced to OpenCL

Math Department Fall 2018 – Present

Truman State University

Set up and maintained Debian systems

HyVee Fall 2016 – Winter 2018

Unionville, MO & Kirksville, MO

Primarily worked as a cashier

One-to-One Pharmacy Winter 2017

Unionville, MO

Pharmaceutical technician

Putnam County R1 Fall 2016 – Spring 2017

Unionville, MO

Assisted in managing school network

PROJECTS

Directory Sync

- Recursively updates all files between two directories over a network so that both computers have the most recent revision
- Files were transferred on parallel threads to increase speed

Regular Expression Matching

- Based in Prolog
- Matched strings to regular expressions
- Responsible for managing a group of three students

SKILLS

C and C++

- Primary languages used in coursework and on most personal projects
- Employed extensively during REU

Java

- Created multi-threaded applications using ReentrantLock and Thread classes
- Used with Eclipse and JUnit testing framework

Cult of Vim

- Familiar with Linux as primary development environment. Experience with bash, git, vim, make, etc.
- Utilize Linux, Windows, and Mac systems on a weekly basis

ACTIVITIES

McNair Program

- Federally-funded to assist low-income and first-generation students with pursuing a graduate degree

MoLSAMP

- Missouri Louis Stokes Alliance for Minority Participation
- Provides assistance with getting involved in research and attending conferences

ACM

- Association of Computing Machinery
- Attended ICPC, learned about and modified many common data structures and algorithms in preparation