Permanent Address:
11992 E. Archer Pl. Apt H4
Aurora, CO 80012

Yonathan Fisseha

yonathanfisseha.com

School Address:
466-3 Lambeth, UVA
Charlottesville, VA 22904

EDUCATION

University of Virginia, Charlottesville, Virginia — *Expected May 2020*
Bachelor of Science in Computer Science, GPA 3.64
*Relevant coursework***:** Algorithms, Databases, Data Structures, Operating Systems, Program Analysis, Software Testing, Compilers, Internet Scale Applications, AI

Community College of Aurora, Aurora, Colorado — *Aug. 2013 - May 2016*
Associates in Science

WORK EXPERIENCE

Algorithms, OS, Web PL, University of Virginia — *Aug. 2018 - Present*
Teaching Assistant

- Holding office hours to help students with homeworks and exam preparation
- Designing rubrics for homeworks and exams
- Grading homeworks and exams

Intune, Microsoft Corp. — *May. 2018 - Aug. 2018*
Software Engineer Intern

- Designed and implemented Network-Fencing and Geo-Fencing testing tools for the Intune Android client using Hyper-V and Android Mock Locations
- Integrated the testing tools with the existing CI infrastructure
- Created architectural designs for these tools
- Produced specifications, one-pagers, and reports to communicate with PMs

ICARE, University of Colorado School of Medicine — *Aug. 2015 - Sep. 2017*
Software Developer

- Worked with researchers and professors to gather software requirements
- Defined goals and created software development timelines
- Used various web frameworks, including Django and ASP.NET for implementation
- Hosted and maintained web applications on Azure and AWS

CU Fitness, Impellia, Inc. — *Sep. 2016 - Mar. 2017*
Software Developer

- Consulted the startup on implementation details of web applications
- Developed software that utilize algorithms licenced by various universities
- Worked on both frontend and backend of web applications

RESEARCH and PROJECTS

Compression-Aware Algorithms and MPC, University of Virginia — *Aug. 2017 - Present*
Undergraduate Researcher

- Re-designed some classical string and graph algorithms such that they can process data compressed with certain compression schemes without decompressing the data
- Implemented a graph compression algorithm and a generalized graph generator
- Exploring the application of compression-aware algorithms in multi-party computation

NoSQL Databases and Distributed Computing, University of Virginia — *Aug. 2016 - May 2017*
Undergraduate Researcher

- Experimentally analyzed the performance of NoSQL database systems on a distributed computing framework
- Proposed a Hybrid Transactional/Analytical Processing system based on experimental results to bridge the gap between data storage and analytics for Big Data
- Co-created a poster for the conference CAPWIC 2017 and won 1st place

SKILLS

Programming languages: Java, C/C++, Python, SQL, X86 Assembly
General: Unit and Integration testing, Technical writing and documentation, Linux and related tools, VC/Git