Charles Misback

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EDUCATION

Rochester Institute of Technology   Sep 2017 – May 2019
College of Computer Science   Rochester, NY

- **Relevant Coursework:** Linear Algebra, Multi-Variable Calculus, Physics 1 and 2, Software Engineering, Computer Science Theory, Symbolic Logic
- **ExtraCurriculars:** Ultimate Frisbee, Juggling, ASL

Allegheny College   Jan 2020 – May 2022
Compute Science Major   Meadville, PA

- **Bachelors of Science** - Computer Science major and Philosophy minor
- **Relevant Coursework:** Computer Organization, Discrete Structures, Cloud Computing, Artificial Intelligence, Thinking after Darwin, Senior Thesis (described below)
- **GPA:** 3.38
- **ExtraCurriculars:** Ultimate Frisbee

SKILLS

Computer Languages : Python, Java, HTML/CSS, SQL, C, R, Ruby, Prolog, LISP
Computer Tools : AWS, Intellij, Notepad++, R Studio, Github, Google Analytics, Google Docs/Sheets/Slides
Writing : Computer Science Technical Writing, Philosophical Writing
Languages : German (Proficient)

EXPERIENCE

Independent Study   Sep 2020 – May 2021
Gator Computational Cloud (GCC) @github   Allegheny College

- **GCC** is a lightweight web framework that utilizes the BHEFT scheduling algorithm to schedule jobs in a cloud environment. The goal of the project is to provide a light weight and user friendly environment for workflow execution, while also ensuring a powerful and efficient backend which completes a users workflow with ease.
- Worked in cooperation with a student and professor
- A 10 page technical report was written describing the BHEFT scheduling algorithm in depth
- Completed research contribution to publish in IEEE

College Computer Science Projects   Sep 2017 – May 2022
Various Computer Science Classes   RIT and Allegheny College

- Contributed to Zulip (a chatting platform based on electron)
- Programmed online checkers with authentication and client server communication in java
- Created a calculator without the use of arithmetic functions in C

Senior Thesis   Sep 2021 – May 2022
The Advantages of Peer-to-Peer Technology @github   Allegheny College

- Year long endeavor to showcase the capabilities of Peer-to-Peer technology (P2P) through the creation of a P2P file sharing network. It was use to showcase the scalability, stability, and efficiency it possesses versus a traditional client-server network.
- A comprehensive 38 page paper was written to describe the P2P network and analyze the experimental results. (Provided per request)

EMPLOYMENT

Giant Eagle   June 2018 – Aug 2021
Sales Clerk   Pittsburgh, PA

- Customer Service, working the cash register
- Fry cook, fried lots of chicken
- Cleaning, responsible for cleaning the whole kitchen

Amazon   June 2019 – Aug 2019
Seasonal Fulfillment Assistant   Pittsburgh, PA

- Sorting packages based on size and destination: both envelopes and pallets.
- Building pallets, wrapping pallets, transporting pallets with pallet jack

Language Camp   Sep 2015 – Sep 2018
Summer Camp Counselor   Pittsburgh, PA

- Took care of children aged 8 - 15 years old
- Taught the german language and culture