

CHRISTOPHER HAINZL

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PROFILE

Data-oriented and innovative Computer Science graduate who has researched cloud computing systems. Advanced knowledge of Excel, with proficiency in several programming languages. Experienced in working with real-world datasets courtesy of coursework and internship experience. Interested in opportunities to integrate computer science with mathematical and analytical skills.

EDUCATION

Ramapo College of New Jersey, Mahwah, NJ, *May 2024*

School of Theoretical and Applied Science

Bachelor of Science in Computer Science, accepted for Master of Science in Data Science (MSDS 4+1 Program)

GPA: 3.8 / 4.0

Honors and Awards: Graduated Magna Cum Laude, Dean's List (x4)

Relevant Courses: Web Application Development, Artificial Intelligence, Database Design, Cyber Security, Data Analytics in Python, Applied Statistics, Linear Algebra, Big Data Programming

Sussex County Community College, Newton, NJ, *May 2022*

Associate of Science in Computer Science

GPA: 3.8 / 4.0

Honors and Awards: Dean's List (x4), Phi Theta Kappa Honor Society, SCCC Excellence Award - Mathematics

Relevant Courses: Database Management Systems, Discrete Mathematics, Data Structures

TECHNICAL SKILLS

Languages: Python, SQL, Java, C++, R, JavaScript, HTML, CSS

Applications: Microsoft Power Automate, Microsoft Power BI, Google Cloud

Frameworks: Pug, Bootstrap

ACADEMIC PROJECTS

Senior Project, Spring 2024

- Coded, tested, and debugged more than 100 of the functions from Python's NumPy library in C++.
- Designed functions for performing tasks including but not limited to linear algebra, statistics, trigonometry, and array creation/manipulation from scratch.
- Authored an 18-page Microsoft Word document detailing project installation instructions, UML diagrams for developed classes, and what data & file structures were utilized.

Introduction to Data Science, Fall 2023

- Managed a 3-member group tasked with assessing the most significant predictors of breast cancer classification.
- Assembled a Jupyter Notebook file where several binary classification algorithms were used on 569 breast cancer instances.
- Interpreted performances of 7 algorithms with methods such as confusion matrices and F1 scores.

WORK EXPERIENCE

Pfizer, Remote, *May 2023 - August 2023*

Process and Standards Support

- Built and tested Microsoft Power Automate flows that employed SQL queries to automate value extraction from large clinical data sets.
- Constructed visualizations of clinical data trends using a combination of R and Microsoft Power BI.
- Extracted information from Pfizer's Trial Master File (TMF) and Operational Data Report (ODR) databases to help optimize risk-based monitoring (RBM) compliance.
- Coordinated with colleagues to ensure that internal and Contract Research Organization (CRO) reports were completed on time.