

Samuel Terwilliger

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EDUCATION

Carleton College

BA in Computer Science

3.96 GPA

Expected Graduation: June 2020

Relevant Coursework:

Programming Languages

Algorithms

Software Design

Data Structures

Computer Security

Combinatorial Theory

Linear Algebra

Multivariable Calculus

Ely Memorial High School

Class Valedictorian

4.0 GPA

Attended: 2012-2016

Relevant Coursework:

Introduction to Statistics

Calculus 1 and 2

SKILLS

Programming Languages

Python, Java, C, C#,
JavaScript, TypeScript,
Scheme, R

Technologies

Git and GitHub, Flask,
.NET framework, LINQ,
Unix, pandas

HONORS

Phi Beta Kappa Award (2018)

Carleton College Dean's List (2017)

National Merit Scholar (2016)

Presidential Scholar Semifinalist (2016)

WORK EXPERIENCE

Optum | Software Developer Intern

June – August 2018 | Minneapolis, MN

- Built a web application to consolidate, display, and filter enterprise scale data for 15,000 employees using C# and Typescript
- Designed and implemented a componentized dashboard to facilitate widget creation, while writing queries to showcase data trends

Carleton College | Computer Science Lab Assistant

January – May 2018 | Northfield, MN

- Helped Computer Science students develop their programming and algorithmic problem solving skills
- Identified and explained bugs in students' Python and Java programs, while informing professors about challenging concepts

Wellframe | Data Analysis Extern

December 2017 | Boston, MA

- Researched use cases of Python's pandas and matplotlib libraries for analyzing marketing data sets
- Taught Marketing Analysts at Wellframe how to use the pandas data analysis tools to automate their Excel tasks

ACADEMIC ACTIVITIES

NC State/Duke Summer Institute in Biostatistics

June – July 2017 | Raleigh, NC

- Analyzed clinical trial data for 6 weeks using the R and SAS statistical programming languages
- Presented a group research project with 3 other students to statistical faculty at NC State

Carleton Math Skills Center Tutor

January – May 2018 | Northfield, MN

- Assisted Carleton Math students with their Calculus and Linear Algebra homework problems

PROJECTS

Webpage Update Tracker

- Built a Flask web application using Python and JavaScript which lets users track when webpages are updated

Scheme Interpreter

- Implemented a Scheme Interpreter in C by tokenizing, parsing, and evaluating user input
- Added load functionality for a user to load and run a Scheme file using the Unix command line