Samuel Terwilliger

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EDUCATION

Carleton College
Northfield, MN
BA: Computer Science / Mathematics
3.97 GPA
Expected Graduation: June 2020

Relevant Coursework:
Advanced Algorithms
Natural Language Processing
Data Structures
Parallel & Distributed Computing
Database Systems
Programming Languages
Combinatorial Theory
Real Analysis
Linear Algebra

SKILLS

Programming Languages
Most experienced with:
Python, Java

Some experience with:
C++, C, SQL, C#, TypeScript, R

Technologies
Keras, scikit-learn, Git,
Unix, Pandas

HONORS

Phi Beta Kappa Award (2018)
Carleton Dean's List (2017, 2018)
National Merit Scholar (2016)
Presidential Scholar Semifinalist (2016)

EXPERIENCE

Bloomberg | Software Engineering Intern
June – Aug. 2019 | New York, NY
- Built a C++ wrapper service to optimize for batch inputs to a fixed income analysis tool by threading calculations and preprocessing yield curve algorithms
- Utilized a distributed Redis Cache to speed up the retrieval of yield curve information, replacing existing APIs
- Wrote Python load tests to simulate market usage numbers across machines while comparing optimization techniques

Carleton College | Computer Science Grader
Sep. 2018 – May 2019 | Northfield, MN
- Graded student assignments for the Software Design and Programming Languages classes
- Created assignment tests cases, and used scripts to automate grading in C and Java

Optum | Software Developer Intern
June – Aug. 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
Jan. – May 2018 | Northfield, MN
- Provided tailored instruction to help 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
Dec. 2017 | Boston, MA
- Researched use cases of Python's pandas and matplotlib libraries for analyzing marketing data sets
- Taught Marketing Analysts how to use the pandas data analysis tools to automate their Excel tasks

NC State/Duke Summer Institute in Biostatistics
June – July 2017 | Raleigh, NC
- Modeled clinical trial data using logistic regression and survival analysis techniques in R
- Co-presented a research project analyzing a Diabetes clinical trial to statistical faculty at NC State