Patrick Egan

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Permanent: 1418 Sunset Ter, Western Springs, IL 60558   Summer: 15220 NE Shen St, Redmond, WA 98052

Objective

A computer science internship developing and maintaining software for the summer of 2019.

Education

University of Wisconsin – Madison

Bachelor of Science, expected May 2020, Cumulative GPA: 3.89/4.0

- Computer Sciences, Major GPA 4.0/4.0
- Applied Mathematics, Major GPA 3.82/4.0
- College of Letters & Science Honors Program

Relevant Coursework

- Intro to Data Structures, Intro to Artificial Intelligence, Intro to Machine Organization & Programming

Programming Languages

- Java, C, HTML, CSS, Python, C++

Projects

N-Gram Chatbot: Implemented a chatbot using unigram, bigram, and trigram language models.

Dynamic Memory Allocator: Wrote functions to allocate and free heap memory. Implemented best-fit placement policy and splitting for allocation and immediate coalescing for freeing.

Personal Website: Designed and deployed personal website using HTML and CSS.

Work Experience

Microsoft, Redmond, WA

Explore Intern, May 2018 – Present

- Redesign portions of Windows Defender Security Center to increase the number of users who verify their devices
- Implement changes to UI, back-end, and telemetry of Windows Defender Security Center

University of Wisconsin – Madison, Department of Computer Sciences

Undergraduate Research Assistant, September 2017 – May 2018

- Implemented new network policies for Genesis, a datacenter network manager
- Extended Genesis Programming Language to accommodate new network policies
- Recipient of Welton Sophomore Honors Summer Apprenticeship Award

Pretzel & Stouffer, Chartered, Chicago, IL

Administrative Services Assistant, May – August 2017

- Aided the law firm's administrator in day-to-day operations of the firm
- Helped managing partners in preparing attorney performance data
- Assisted the law firm's administrator in filing, maintaining, and destroying legal records