**Wi**lliam **Fi**tzpatrick

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**Education**

Bachelor of Science, Coe College, Cedar Rapids IA Expected Graduation, May 2025

Major: Computer Science, Mathematics

**Relevant Coursework**

Data Structures Analysis of Algorithms

Principles of Computer Systems Computers in Business

**Skills**

Languages: Java, C/C++, HTML

Operating Systems: Microsoft Windows (98, XP, Vista), Linux

**Relevant Experience**

**Computer Technology Inc., Software Developer Intern** May 2022 - Present

* Implement SEO best practices to increase high-traffic server’s search engine rankings
* Display and format website pages online using HTML
* Create automated wireless internet qualification tool and automated manual data entry tasks
* Integrate system workflows via APIs to save coding team 30+ hours of time and effort
* Resolve memory corruption and other technical issues by leveraging strengths in coding

**Computer Technician**, **Coe College** January 2022 - May 2022

* Operated help desk phone operations, including ticket creation, assignment, and completion
* Ensured quality of on-campus internet by replacing switches, installing access points, and activating ports according to user needs
* Assisted in the overhaul of a paper-based inventory system to a database

**Lindsay Seminar** (Mathematics Honors Program) August 2021 - December 2021

* Selected as a first year student by a board of mathematics professors for this competitive program
* Collaborated with a team of peers to critically think about mathematics as a creative endeavor through biweekly problem-solving sessions on relevant mathematical conjectures

**Projects**

‘Exercise Behavior Tracker’ created using Java

‘Maze Solving Algorithm’ created using C++

**Campus Involvement**

**Math Tutor, Coe College** January 2022 - Present

* Tutored 30 college students in statistics, algebra, geometry, and trigonometry
* Received a 100% satisfaction rating and an increase by 20% in math confidence self-reports
* Spearheaded group tutoring sessions to target similar problems among students

**Resident Assistant, Coe College** August 2021 - May 2022

* Mediated disputes between residents in the shared living space of 30 freshmen
* Documented room transfers, incident reports, and maintenance to ensure up-to-date records
* Interviewed and trained incoming RAs on job duties and systems (like Residence by Simplicity) used for data collection and storage