

Elliot Topper

Oakhurst, NJ

xaridar.github.io

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Technical Proficiencies

Languages: Java, Javascript, Typescript, Python, PHP, C++

Frameworks: Node.js, Express.js, jQuery, Bootstrap, TailwindCSS

Frontend Tools: HTML, CSS, EJS, React.JS

Backend Tools: Git, MySQL, Firebase

Education

The College of New Jersey (TCNJ), Ewing, NJ
Bachelor of Science in Computer Science

Expected graduation: May 2025

Grade Point Average: 4.0

Work and Research Experience

Department of Computer Science, TCNJ, Ewing, NJ

Student Researcher (VR) - Dr. Ferdous

September 2022 - Present

- Conduct and manage an ongoing study in cybersickness data collection
- Present prior findings at two international research conferences: IEEE VR 2023, ACM CHI 2023

Department of Computer Science, TCNJ, Ewing, NJ

Summer Student Researcher (VR) - Dr. Ferdous

June 2022 - July 2022

- Developed an online data management portal for cybersickness studies using *PHP, MySQL, HTML, CSS, Bootstrap, jQuery*, and *Git*
- Built a system for use of electroencephalogram (EEG) in Virtual Reality systems and trained in its use for future studies

Six Overground, Asbury Park, NJ

Intern

February 2021 - April 2021

- Added functionality to a public-facing API for extended capabilities using *JavaScript* and *Git*
- Advanced development on migration of an application between mobile platforms using *Java*

Projects and Collaborations

LScript - Programming language interpreter written in *Java*

RAT - Simple to use and opinionated templating engine built using *Node.js, Express.js*, and *Typescript* for use in simple web apps

Bullseye - Android games application to help children with ADHD, developed with a team for the 2021 Congressional App Challenge in *Java*

Dungeon of Curses - Text-based roguelike game which won Best Hack at the HackTCNJ 2022 hackathon in *Python* and the ncurses library

Links and more detailed information on notable projects can be found at xaridar.github.io.

Honors and Awards

2022: TCNJ Computer Science First Year Award

2022: HackTCNJ 2022 Best Hack

2021-2022: TCNJ Dean's List (Semesters 1, 2, 3)

2020: National Merit Commended Scholar

Leadership Positions

TCNJ Japanese Student Association, Ewing, NJ

Co-Fundraising Chair

April 2022 - Present

- Make decisions related to fundraising efforts in order to increase club revenue
- Raised over \$800 of profit for the club's use across three fundraising efforts