Elliot Topper

Oakhurst, NJ

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Technical Proficiencies

Languages: Java, Javascript, Typescript, Python, PHP, C, C++, MATLAB
Frameworks: Node.js, Express.js, jQuery, Bootstrap, TailwindCSS, Unity
Frontend Tools: HTML, CSS, EJS, ReactJS
Backend Tools: Git, MySQL, PostGreSQL, Redis, Firebase

Education

The College of New Jersey (TCNJ), Ewing, NJ   *Expected graduation: May 2025*
   Bachelor of Science in Computer Science   *Grade Point Average: 4.0*

Work and Research Experience

TCNJ Tutoring Center, Ewing, NJ
Student Tutor   *September 2023 - Present*
Department of Computer Science, TCNJ, Ewing, NJ
Computer Science Peer Mentor   *September 2023 - Present*
Student Researcher (VR) - Dr. S.M.S. Ferdous   *January 2022 - July 2023*

- Developed an online data management portal for cybersickness studies using *PHP*, *MySQL*, *HTML*, *CSS*, *Bootstrap*, *jQuery*, and *Git*
- Conducted and managed a study in cybersickness data collection
- Collected and analyzed electroencephalogram (EEG) data in VR using *Unity, MATLAB*, and *Python*

Six Overground, Asbury Park, NJ
Software Engineer Intern   *February 2021 - April 2021*

Conference Presentations and Papers

"Visualsickness: A web application to record and organize cybersickness data." E. Topper, P. Arroyave, S.M.S. Ferdous. *2023 IEEE Conference on Virtual Reality and 3D User Interfaces*. Shanghai, China (Virtual). *25-29 March 2023*.

"Initial feasibility study of a child friendly animated cybersickness questionnaire." P. Arroyave, E. Topper, M. Kahora, S.M.S. Ferdous. *ACM CHI 2023*. Hamburg, Germany. *23-28 April 2023*.

Projects and Collaborations

LScript - Programming language interpreter written in *Java*
Dungeon of Curses - Text-based roguelike game which won Best Hack at the HackTCNJ 2022 hackathon in *Python* and the ncurses library
WordAround - Browser-based word game written in *JavaScript*, *HTML*, and *CSS*
Links and more detailed information on notable projects can be found at xaridar.github.io/projects.

Honors and Awards

Upsilon Pi Epsilon Inductee - 2023; TCNJ Department of Computer Science Second Year Award - *2023*; TCNJ Department of Computer Science First Year Award - *2022*; HackTCNJ Best Hack - *2022*

Leadership Positions

TCNJ Japanese Student Association, Ewing, NJ
Treasurer   *April 2023 - Present*
Fundraising Co-Chair   *April 2022 - May 2023*
Upsilon Pi Epsilon Honor Society: Delta Chapter of New Jersey, Ewing, NJ
Secretary   *September 2023 - Present*