




JESSICA URBAN

SOFTWARE ENGINEER

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+ EDUCATION

Bachelor of Science, Computer Science (GPA: 3.57) **Aug. 2020 - Dec. 2022**
Middle Tennessee State University *Murfreesboro, TN*
Relevant Coursework: Compiler Design & Software Dev., Python, Software Engineering

+ PUBLICATIONS

D. Adiani et al, “**Design of an Interview Script Authoring Tool for Virtual Reality Job Interview Training Platforms using Graph Transformations,**” HCI International 2023 Conference, accepted for publication.

+ SKILLS

→ **Languages:** C++, Javascript, Python, C, HTML, CSS.
→ **Tools:** React, Git, NPM, Node.js, Vim, Linux, Visual Studio, Material UI.

+ PROJECTS

Interview Visualization (2022): Software Engineering group project, design of an interview script authoring tool with graph visualization for job interview training using virtual reality.

- Worked closely with 4 team members and a project mentor.
- Developed interview form using React and Material UI.

Computational Biology Research (2022): S-STEM Summer Research Program and Undergraduate Research continued into Fall.

- Utilized APBS, pdb2pqr, Modeller, Frodan, and other tools for computational modeling using the Electrostatic Modeling Pipeline.
- Analyzed and predicted pH-sensitive HIV envelope-antibody interactions.

+ EMPLOYMENT & EXTRACURRICULARS

MTSU Computer Science S-STEM Summer Research Program Computational Biology	May 2022 - Aug. 2022
Southern Blooms Co. Flower Dye Specialist	Jul. 2019 - May 2022
Drury Hotels Reservation Sales Agent	Mar. 2017 - Jul. 2019
Holiday Inn Express Front Desk Agent	Jun. 2013 - Dec. 2016
German Club Vice President	Aug. 2012 - May 2013
HS National Honor Society Member	Aug. 2011 - May 2014