

Daniel Lewis – Résumé

Date of Birth 10th December 1986
Nationality United States

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Personal Profile

I am a computer science masters student at Middle Tennessee State University. I will be graduating Summer of 2020.

Education

2005-2010 BS Mass Communications - Middle Tennessee State University - Murfreesboro, TN
Magna Cum Laude

2017-2020 MS Computer Science - Middle Tennessee State University - Murfreesboro, TN
To be awarded August 2020

Employment History

2018 - 2020 MTSU, 1301 East Main Street, Murfreesboro, TN 37132 United States
Graduate Teaching Assistant

As a graduate teaching assistant for the Computer Science Department, I communicated complex ideas in computer science to students. This included both technical knowledge and the requirements / limits of the class. I also prepared course materials for distribution on the internet.

Technologies: C++, Python, Apache, Logisim

2019 Cigna, 900 Cottage Grove Road, Bloomfield CT 06002, United States
Network Security Intern

As a network security intern I provided support for secure email, and procuring required resources outside the corporate firewall. I also worked on a project as the tech lead focused on alleviating problems associated with the loneliness epidemic. This project leveraged 3d graphics to help those affected better express themselves and connect with those around them.

Technologies: Proofpoint, Typescript, Three.js, Blender, Angular, Amazon Web Services

2019 Vanderbilt Kennedy Center, 110 Magnolia Circle, Nashville, TN 37203, United States
Software Development Contractor

I worked on an educational software project for Vanderbilt Kennedy Center as a developer. As a remote worker, I had to be a self-starter and responsible for my output and hours. This project involved exploratory programming, and I frequently had to do research to find solutions to problems encountered and changing requirements.

Technologies: C#, Python, Unity, Microsoft Azure Cognitive Services, Spacy, NLTK, Flask, Glosbe, Git

2018 **Cigna**, 900 Cottage Grove Road, Bloomfield CT 06002, United States
Project Management Intern

During my internship most of my tasks surrounded data collection for portfolio projects. This involved collecting requirements, and eliminating ambiguity so the correct information was collected. I was also involved as a programmer in a project to notify relevant parties when provider information becomes stale. It does this based on several metrics including Google Places, crowd sourced data, and metadata.

Technologies: Python, Typescript, Flask, Google Places, Angular, Microsoft Excel, Microsoft Powerpoint

Skills

- **Programming Languages**

C
Unified Parallel C
Python
Javascript
shell scripting

- **Software**

Linux
LaTeX
Adobe Photoshop
Microsoft Excel
Microsoft Powerpoint

Projects and Publications

2020 **An OpenSHMEM Runtime for UPC**

My thesis research was in the area of parallel language runtimes. This work involved creating a compatibility mapping between Unified Parallel C (UPC) and OpenSHMEM, implementing a prototype UPC runtime with OpenSHMEM, and evaluating the performance of the prototype.

2019 **Design of a Novel Web Utility that Provides Multi-lingual Word Definitions for Child E-Book Applications**

I was a co-author on this paper. It was presented at Human Computer Interaction International 2019.

2019 **Multi-lingual Word Definitions for Child E-Book Applications**

I spoke at the first ever MTSU College of Basic and Applied Science Graduate Research Showcase.