

Logan ONeal

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EDUCATION

The University of Tennessee, Knoxville

Graduating May 2024

Bachelor of Science in Computer Science

- **4.0/4.0 GPA**
- 1 of 15 Undergraduates on Full Academic Scholarship
- Engineering Honors Program
- Prudential and Mensa Foundation Scholarship

WORK EXPERIENCE

Microsoft

May 2023 - Aug 2023

Software Engineer Intern

Redmond, WA

- Developed application in Rust to create, manage, and interact with VMs using hardware enabled RAM encryption
- Automated VM GPU DDA attachment and MMIO allocation process using PowerShell and Rust

Intapp

May 2022 - Aug 2022

Software Engineer Intern

Charlotte, NC

- Implemented 17 production-ready features / bug fixes within a dynamic SCRUM team environment, utilizing JS, Typescript, Angular, C#, .NET, SQL, and Elasticsearch, including writing unit tests to achieve 80% code coverage
- Spearheaded a feature implementation to improve logging, associating front-end interactions to back-end endpoints

Tennessee Valley Authority

Jan 2022 - May 2023

Software Engineer Intern

Knoxville, TN

- Developed REST API and front-end dashboard for generating contamination reports using ASP.NET Core

Datatorch.io

Oct 2021 - Jan 2022

Software Engineer Intern

Remote

- Built back-end API using GraphQL, Node.JS, Stripe API, and Typescript for user and subscription management
- Ported existing Vue.JS front-end to React

The University of Tennessee

May 2020 - Mar 2022

Undergraduate Research Assistant

Knoxville, TN

- Increased machine learning model precision over 15% using Python, Scikit-Learn, and Firebase ML Kit
- Automated data collection processes using web scrapping in Python to save the team 80 hours of work

Oak Ridge National Laboratory

May 2019 - Aug 2019

Computational Research Intern

Oak Ridge, TN

- Developed an educational tool to teach laboratory visitors about GPU accelerators in machine learning

PROJECTS

SplitIt, Mobile App | *React Native, Node.JS, Firebase, Azure AI Platform*

- Streamlines the process of splitting bills by using an OCR AI Model to parse receipts
- Automates the payment process using Stripe API and Apple Pay

ElastiQR, Web App | *React, Node, MySQL, Google Cloud*

- QR Code management platform where users can customize, redirect, and track usage of their QR codes
- User insights include origin tracking, scan activity, and link validation

SKILLS

- **Languages:** Rust, C, C++, C#, Golang, Python, JS, Typescript, HTML, CSS, SQL
- **Frameworks, Tools, and Libraries:** Linux, Bash, .NET, React, Angular, Node.JS, GraphQL, Flask, Scikit-Learn, Pandas, Entity Framework, Cloud Computing, MVC, OOP, SOA
- **Databases:** Firebase, MongoDB, PostgreSQL

ORGANIZATIONS

UTK Machine Learning Organization - Executive Team

August 2020 - Present

The University of Tennessee

Knoxville, TN