Andrei Cozma

I am a software developer with a strong passion for learning, improving, and creating.

In my personal, professional, and academic life, I am an enthusiastic and dedicated team player with a positive attitude. I always strive to attain the highest possible standards of quality and excellence, and am driven to adapt to any situation.

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EDUCATION

Computer Science 5-Yr B.S./M.S.
University of Tennessee, Knoxville

08/2018 - Present   *Knoxville, Tennessee*

- Honors: Summa Cum Laude
- Minors: Cybersecurity & Business Administration

WORK EXPERIENCE

Undergraduate Research Assistant (Cybersecurity)
The University of Tennessee, Knoxville

Knoxville, TN & Remote

- 05/2022—Present and previously 03/2021—10/2021
- Assist with research on various ongoing projects, developing software and scripts to aid with collecting and analyzing data, creating visualizations, and interpreting results.
- Topics: Security updates for JavaScript libraries, timeliness of security patches becoming available, the amounts of vulnerable library versions still widely in use, crypto-jacking, certificate collection, phishing blacklists, and more.

Contact : Doowon Kim - doowon@utk.edu

Undergraduate Teaching Assistant (Cybersecurity)
The University of Tennessee, Knoxville

Knoxville, TN

- 01/2022—05/2022
- Teaching assistant for Dr. Doowon Kim's Introduction to Cybersecurity course. Primary responsibilities include assisting students and answering questions they may have about the course materials, providing helpful feedback, grading quizzes and other assignments, exam proctoring, etc.

Contact : Doowon Kim - doowon@utk.edu

Software Developer Intern
Elo Touch Solutions

Knoxville, TN & Remote

- 05/2021—08/2021 and previously 01/2020—12/2020
- Design, implement, and test software frameworks, solutions, and demo applications for ELO's enterprise touchscreen solutions and customers and business partners.
- Using Java, Kotlin, Linux, Bash Scripting, Git, Atlassian JIRA, and the Android SDK to develop enterprise solutions with the Android Open Source Project (AOSP) as part of an Agile work environment.

Contact : Haroun Ansari (Manager) - Haroun.Ansari@elotouch.com

SKILLS

Python   C/C++   JavaScript   TypeScript   Java
ReactJS   NodeJS   Gatsby   Linux   Bash Scripting
Git   GitHub Actions   JIRA   MongoDB   SQL
Docker   Critical Thinking   Problem Solving   Dedication
Communication   Teamwork

PERSONAL PROJECTS

Smart Ledger (08/2021 - 05/2022)
- Senior Design project for a shared spending Web Application developed using React.JS, Flask, MongoDB, containerized using Docker. Using GitHub Actions for CI/CD deployment pipeline to Amazon Web Services.

Personal Portfolio (05/2018 - Present)
- My personal portfolio open-source project recently re-written from scratch in TypeScript using Gatsby and React.JS, as well as the MaterialUI component library.

LeafNote (01/2021 - 05/2021)
- A note-taking application written in Python with PyQt, including features for text completion, spell-checking, summarization, formatting, latex support, etc.

STEM (08/2020 - 12/2020)
- Contributed to the development of a Turing Machine simulator written in Java. This project is used by UT professors to aid teaching about Turing machines.

ORGANIZATIONS

VolHacks Hackathon (04/2019 - Present)
President, former Operations Manager for Sponsors & Organizer

Pi Kappa Phi Fraternity (08/2018 - 05/2022)
Chapter Secretary, Housing Manager, Web Designer & Programmer

Chancellor's Honors Program (08/2018 - 05/2022)

CERTIFICATES & ACHIEVEMENTS

Project Management Foundations (LinkedIn) (09/2021 - Present)

From Data to Insights with Google Cloud Platform Specialization (08/2020 - Present)

Google Cloud Essentials Certificate (07/2020 - Present)

Certificate of Excellence for Tennessee Scholar (04/2018 - Present)