Logan Crotchett

Wichita, KS ● (xxx) xxx-xxxx

logancrotchett@gmail.com ● linkedin.com/in/logancrotchett ● github.com/Loganaan

EDUCATION

Bachelor of Science in Computer Science | Minor in Mathematics | 3.6 GPA　　　　　**Expected May 2026**
Wichita State University, Wichita, KS

WORK EXPERIENCE

Software Engineer Intern　　　　　**May 2025 - August 2025**
Flint Hills Resources; Koch Industries, Wichita, KS
- Built enterprise React applications with TypeScript, Material-UI, and Redux, implementing admin configuration systems and role-based access control with dynamic UI components
- Architected modular frontend components with React and TypeScript, implementing reusable configuration systems and custom hooks for state management across enterprise applications
- Developed Neo4j Cypher queries and RESTful APIs with advanced filtering, sorting, and pagination across complex data relationships using graph database patterns
- Collaborated in an Agile development team, participating in daily stand-ups, sprint planning, code reviews, and team discussions to ensure rapid iteration and work towards business goals

Student Web Developer　　　　　**September 2024 - May 2025**
National Institute of Aviation Research, Wichita, KS
- Designed and improved a full-stack internal web application utilizing ASP.NET Core MVC architecture, focusing on the optimization of business processes
- Installed and configured Entity Framework to implement CRUD functionality and interactions with the database

Student Assistant for Quality Control Lab　　　　　**February 2023 - September 2024**
National Institute of Aviation Research, Wichita, KS
- Built custom software in Visual Basic to increase the speed of creating new dimensioning templates by roughly 20%
- Interpreted engineering drawings and utilized Excel to document measurements and create forms based on ASTM criteria

Qualification Tester　　　　　**October 2022 - February 2023**
NetApp, Wichita, KS
- Ran tests on Linux-based NetApp software to test firmware for hard drive manufacturers
- Frequently communicated with full-time engineers to ensure smooth testing, and helped with any server-related issues

PROJECTS

Designed a Dimensioning Template Generator for NIAR　　　　　**September 2023**
- Developed a dimensioning template generator using Visual Basic to streamline the dimensioning process at NIAR
- Designed the generator to be scalable, allowing for future enhancements and adaptability to future project requirements

ACTIVITIES

TechReady - Winner　　　　　**October 2025**
Hack Cats 2025
- Built a Next.js web app simulating realistic job interviews with real-time voice interaction, personalized question generation, and automated performance feedback
- Implemented Deepgram speech-to-text, ElevenLabs text-to-speech, and Google Gemini for natural conversation flow; utilized Firebase for authentication and session persistence

Meteor Madness - Winner　　　　　**October 2025**
NASA Space Apps Challenge 2025
- Designed and shipped an interactive asteroid-impact simulator with 2D maps (react-leaflet/Turf.js) and a 3D globe using CesiumJS (camera controls, terrain, time-dynamic impact overlays)
- Built with Next.js, React, TypeScript, Node.js; implemented typed serverless routes to integrate NASA NEO data and impact simulations

SKILLS

Programming Languages: Typescript, C#, C++, SQL, Cypher, Python, Visual Basic
Web Development: React, HTML, CSS, JavaScript, ASP.NET Core MVC, Node.js
Tools: Linux, Neo4j, Entity Framework, jQuery, Bootstrap, MUI, GitHub, Git