Arthur Riechert

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EDUCATION

Bachelor's of Science in Computer Science

Georgia Institute of Technology · Atlanta, GA · 2023 - Current

COURSEWORK

Data Structures and Algorithms

Georgia Institute of Technology · Problem-Solving, Java, Big O

Computer Organization and Programming

Georgia Institute of Technology · 2024 · Problem-solving, Assembly, Microarchitecture, C

Objects and Design

Georgia Institute of Technology · 2024 · Teamwork, Collaboration, Java, Design Patterns, Scrum, Agile, Requirements Engineering

Introduction to Object-Oriented Programming

Georgia Institute of Technology · 2023 · Java, Programming & Problem-Solving Skills

EXPERIENCE

Contract Content Writer

Reworkd AI   **June 2023 - September 2023, Remote**

· Strategized and developed diverse content, including blog articles, social media posts, and product documentation, highlighting advancements in Reworkd's product, AgentGPT, and generative AI agents.
· Crafted compelling visual assets for content pieces using Canva and Midjourney, enhancing reader engagement and comprehension.
· Consistently adhered to and managed a rigorous content development schedule using Notion, ensuring timely content delivery and updates.

PROJECTS

Personal Portfolio Website

· Created an interactive and response web design with Figma.
· Implemented design using React, Next, and TailwindCSS in Typescript.
· Deployed web app on Vercel.

Personal Chatbot

· Utilized OpenAI API, MongoDB's GraphQL API, and Streamlit to create a personal AI assistant with long-term memory

C Implementation of Standard Memory Functions

Georgia Institute of Technology · April 2024 -April 2024

· Implemented the malloc, realloc, calloc, and free functions from scratch in C.

Spotify Wrapped Clone

Georgia Institute of Technolgy · https://second-cs2340-project.glitch.me/index.html · February 2024 -April 2024

· Developed an Android app that lets Spotify users view and interact with their listening data under various settings and receive LLM-generated recommendations.
· Worked in a team of 7 people using SCRUM and Agile methodologies to organize sprints.
· Developed a CI/CD pipeline using Git and Github.

Research Project: Influence of Education on Labor Force Participation Rate

Georgia Institute of Technology · August 2023 - December 2023

· Cleaned and structured multiple large datasets using Python, Pandas, and NumPy, enhancing data accuracy and usability for downstream analysis.
· Developed and refined multiple linear regression models in Stata to isolate and quantify the impact of education on labor force participation across U.S. counties, while controlling for demographic and economic factors.
· Applied statistical inferencing to fine-tune models, improving performance and identifying key indicators for policy development.

SKILLS

- **Java, Maven, Gradle, and Android Studio**
- **Python, FastAPI, Flask**
- **C and Assembly**
- **Typescript, React, Next, HTML/CSS, and TailwindCSS**
- **Git and Bash**
- **GraphQL**
- **Reading documentation**
- **SOLID, Agile, GRASP, Requirements Engineering, Design Patterns**
- **Microsoft Office**