ROBERT VERES

rwveres@gmail.com
(980) 242-0057
robertveres.com
github.com/rveres
linkedin.com/in/robert-veres
U.S., Canadian, and Hungarian (European Union) Citizen

Objective

Dedicated, team-oriented student seeking internship opportunities in software engineering, data engineering, and machine learning to apply years of experience in developing cloud-native, data-driven, microservice-oriented technologies in a professional setting.

Education

GEORGIA INSTITUTE OF TECHNOLOGY – Atlanta, GA – GPA: 4.00 Exp Grad: May 2022

Bachelor of Science in Computer Science with concentrations in Intelligence and Systems/Architecture
Awarded four-year full-ride Stamps President's Scholarship
Relevant coursework: Data Structures (CS 1332), Algorithms (CS 3510), Computer Systems and Networks (CS 2200), Artificial Intelligence (CS 3600), Machine Learning (CS 4641), Advanced Computer Architecture (CS 4290), Digital Design (ECE 2031)

Skills

Programming Languages: Advanced: Java, C#, Python, JavaScript, Dart, HTML, CSS. Intermediate: C, C++, Scala, Kotlin, SQL.

Frameworks, Libraries, Tools: Advanced: React, Flutter, ASP.NET, NodeJS/Express, Pandas, NumPy, TensorFlow, Keras, Git. Intermediate: Angular, React Native, Hadoop, Spark, Kafka, Flink, Docker, Kubernetes, Google Cloud, Amazon Web Services.

Additional Skills: Electronics prototyping, Printed Circuit Board design (Altium), Quantitative Finance (Bloomberg Terminal)

Experience

TANULJ KÓDOLNI (LEARN TO CODE) FOUNDER – Tanulj Kódolni – Charlotte, NC/Hungary Jun 2016 – Jul 2020

- Sought to alleviate the lack of resources to learn programming in Hungarian by developing the first online platform where native Hungarian speakers can learn programming and software development for free; recruited and led team of developers in creating and evolving platform.
- Developed REST API backend with ASP.NET Core and Microsoft SQL Server (using Entity Framework); incorporated JSON Web Token authentication using ASP.NET Identity and created dynamic frontend single page application with ReactJS and GraphQL query support.
- Implemented microservice-based development and deployment strategy with Docker containerization of application components.

MOBILE APPLICATION DEVELOPER – MonosDigital – Remote Jun 2019 – Aug 2019

- Collaborated with global team of developers via Slack to develop features for and improve stability of Tour, a drag-and-drop trip planning app.
- Worked to establish integration with Google Cloud Firebase Firestore and Mapbox APIs by migrating cross-platform React Native JavaScript code to add Android compatibility, increasing potential user base by 50%; expanded search functionality with Firebase Cloud Functions.
- Aided in the migration of existing iOS codebase to Android by porting Objective-C/Swift code to Java, ensuring compatibility with AndroidX.

SOFTWARE ENGINEER INTERN – LEAD Technologies – Charlotte, NC Jul 2018 – Aug 2018

- Coordinated with Technical Support team to improve efficiency by researching and designing a document management system to provide easy accessibility to various document types and code snippets submitted by clients and internal development groups.
- Implemented REST API prototype for document management system with ASP.NET MVC/Web API, Microsoft SQL Server relational database, and Entity Framework backend with dynamic ReactJS frontend; incorporated efficient object storage on internal company network.
- Responsible for coordinating with management and administrators to assess project needs and feedback and to deploy prototype.

Projects

CUSTOM-DESIGNED MICROCONTROLLER FOR AI-BASED IOT APPLICATIONS Jan 2021 – Current

- Designed custom Arduino-based microcontroller printed circuit board from scratch for data-intensive IoT applications and machine learning workloads; continuously refining PCB based on performance of printed prototype in real-world IoT environments.
- Implemented schematics and PCB layout with multiple layers in Altium Designer; created BOM and relevant documents for PCB production.
- Improved Arduino crystal structures and PCB power source implementation for greater reliability in various IoT/AI applications.

Activities

AVIONICS TEAM MEMBER – Yellow Jacket Space Program – Atlanta, GA Nov 2020 – Current

- Collaborate with 15+ Avionics Team members to develop hardware and systems-level software for the Yellow Jacket Space Program, the first collegiate team seeking to launch a liquid-fueled rocket into space; all electronics are custom-designed and tested.
- Design printed circuit boards in Altium; aiding development of Raspberry Pi central computer and microcontroller endpoints.
- Develop systems-level C/C++ codebase for integration of modularized rocket data collection circuits using CLion.