ROBERT VERES

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U.S. Citizen
Proficient in English, Spanish, and Hungarian

Objective

Passionate, motivated student with multiple years of self-taught software development experience seeking an internship position as a Full-Stack Web Developer. Looking to expand experience with front and back-end web technologies in a professional work environment. Enthusiastic collaborator driven by attention to detail.

Skills

Full Stack Web Development
Multiple years of experience with developing, testing, and deploying web applications with the latest Back and Front-end frameworks.

Computer Architecture/IOT
Experience with Arduino microcontroller/Raspberry Pi IOT development, Intel x86 assembly, and low-level digital logic structures.

Data Science/Machine Learning
Data analysis, cleaning, and transformation skills to gain insight and train AI/ML models from large datasets with popular Python tools.

Technologies

Programming Languages/Environments: C, C#, .NET, Java, Python, PHP, Go, JavaScript, TypeScript, HTML, CSS, XML, XAML, Sass/SCSS, SQL

Frameworks/Tools: jQuery, Angular, React, Preact, Bootstrap, Django, Flask, ASP.NET MVC, ASP.NET Web API, SignalR, Laravel, NodeJS, Express, Vue, Progressive Web Apps (PWA), IndexedDB, PostreSQL, MySQL, Microsoft SQL Server, Redis, MongoDB, Memcached, Pandas, NumPy, Jupyter, Scikit-Learn, TensorFlow, Android Studio, Xamarin.Forms, Visual Studio, VMWare Workstation, Apache, Google Cloud Platform App Engine, Microsoft Azure

Experience

FOUNDER & PRESIDENT - TANULJ KÓDOLNI! (LEARN TO CODE!) – June 2017 - Present

- Created the first online resource where Hungarian speakers can learn programming and software development for free.
- Developed back-end using **ASP.NET MVC** with **Microsoft SQL Server** and **Entity Framework**, implemented MVC and REST API patterns for smooth application flow, and added **user authentication** with **ASP.NET Identity/OAuth 2**.
- Developed **dynamic** Classroom front-end with HTML5, **ReactJS**, and React Material UI, implemented YouTube APIs, and added **single page application** navigation using React Router.
- Utilizing **Git/GitHub** for version control and launching releases on **Microsoft Azure** via **TeamCity**.
- Making videos teaching programming in Python, creating a community of course developers, and promoting platform.

INSTRUCTOR – MATHNASIUM SOUTH CHARLOTTE – August 2018 - Present

- **Tutoring** students in math from first through eighth grades (basic numerical concepts to algebra and geometry).
- Responsible for helping students with homework, **teaching new mathematical concepts**, and maintaining an engaging environment.
- **Collaborating** with co-workers to ensure the best experience possible for students.

LEAD DEVELOPER - SANDLINE – November 2017 – February 2018 (GitHub)

- Coordinated with school administrators to help alleviate the congestion in school lunch line.
- Built **REST API** with **NodeJS/Express** and **Loopback**, incorporated a **custom hashing and validation mechanism** for secure in-memory data storage.
- Built **responsive** front-end tailored for mobile devices using **Angular** and **Angular Material**, implemented **Angular reactive forms** and **validation** for optimal user experience.
- Held **leadership** role in project, communicated with school leaders in meetings, incorporated requested features, and assessed feedback from users and staff.

FOUNDER & PRESIDENT – PDS HACK CLUB – Charlotte, NC – October 2017 - Present

- **Founder** and **leader** of school's Computer Science/Hack Club, ensured growth to over 20 members.
- Holding weekly lectures to teach club members interested in software about web, mobile app, and game development.
- Preparing a team of students for Computer Science contests, organized and **launched first hackathon** at school.
- Collaborating with and contributing to the Hack Club community, an international organization promoting student-led coding clubs, by **expanding Computer Science curriculum** and **aiding in feature development**.

Awards

- NC Level 3 Regional Math Contest 2nd Place
- Purple Comet! Math Competition NC Distinguished Team
- Appalachian State University Model UN Conference Best Delegate (2016, 2017), Outstanding Delegate (2018)
- Pacific Rim Model UN Conference (Japan) Best Delegate
- National Merit Scholar Semi-Finalist
- NC Science Olympiad Regional Competition Top Finisher (top 4 finisher in all 4 events), Ecology 3rd Place (2018)
- UCPS Academic Award 4-time Consecutive Winner
- CISAA All-Conference Cross-Country Athlete (2016, 2017)
- NCISAA Cross-Country State Championship Team (2017, 2018)
- AP Scholar

Education

PROVIDENCE DAY SCHOOL – Charlotte, NC – 2014 to Present

- **Advanced** science and technology tracks, **4.560** Cumulative GPA after Sophomore year.
- **Head of School's List** for four consecutive years.
- Combined SAT Score: 1600 (800 Reading and Writing/800 Math, **99th percentile**).
- **A+** in **AP Computer Science Java** and **AP Computer Science Principles, 5** on **AP Computer Science Principles** and **AP Computer Science A (Java) Exam**.
- **Runner-up in Charlotte Entrepreneurship Challenge**, developed Business Plan for a Precision Agriculture Startup.
- Extracurricular Activities: Founder and President of Providence Day School Hack Club, Debate Club officer, international Model United Nations award winner, Honor Council member, top-7 member of second best Cross-Country team in North Carolina (and ranked in the top ten best Freshman/Sophomore groups in the United States), Spanish Language Society member.
- Volunteer Service: Creek Clean-Up, Refugee Tutoring.

EDX/COURSERA/MIT OCW/UDACITY – Online – 2013 to Present

- **Self-taught** and **took online courses** to develop skills and pursue passions for **projects both in and outside of school**.
- Online undergrad courses taken: Harvard University CS50: Introduction to Computer Science, Harvard University CS 164: Software Engineering, Harvard University CS E-1: Understanding Computers and the Internet, MIT 18.06: Linear Algebra, MIT 18.01: Single Variable Calculus, MIT 18.02: Multivariable Calculus, MIT Highlights of Calculus, MIT 6.858: Computer Systems Security, Carnegie Mellon 15-213: Introduction to Computer Systems, Carnegie Mellon 18-447: Introduction to Computer Architecture, Carnegie Mellon 15-688: Practical Data Science, Financial Institutions and Markets (Michigan State U.), Bayesian Statistics (Coursera/Duke University).
- Udacity: Full-Stack Web Development, Google App Engine, Progressive Web Apps (PWAs), Responsive Design, Git/GitHub, Relational Databases, MongoDB, Front-End Frameworks, Linux Command Line, Android Development, iOS Development with Swift, Firebase, Data Analysis, Data Science with NumPy and Pandas, Artificial Intelligence/Machine Learning.
- Microsoft Virtual Academy: MEAN (MongoDB, ExpressJS, Angular, NodeJS) Stack Development, NoSQL Databases (MongoDB/Redis), Flask, Django, ASP.NET MVC, ASP.NET MVC Core, ASP.NET Identity, Entity Framework, Bootstrap, Advanced JavaScript development, Xamarin.Forms development, Azure.