BRIAN MIZE

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www.mizesolutions.com

SKILLS

Coding: C#, TypeScript, Java, UNIX/Linux, MySQL, PHP, JavaScript, jQuery, HTML, CSS, C, Python, Assembly
Software: Visual Studio, Visual Studio Code, PHP Storm, IntelliJ, CLion, Atom, Eclipse, MySQL Workbench, Adobe Photoshop, InDesign,
Frameworks: Angular, Slim, Symfony, Knockout, Composer, Laravel, Twig, Bootstrap, Wordpress, W3.CSS
Cloud Platforms: Azure, AWS

PROFESSIONAL EXPERIENCE

Associate Software Engineer   ENGIE Insight | Spokane, WA | July 2018 - Present
- **Developing a** web application which analyzes current and past utility billing to identify errors and prevent interruptions of service.
- **Creating** unit tests for UI components with Typescript; functional tests for backend services and automated tests with C# and Selenium.
- **Collaborating** with a team of software and QA engineers using the agile development model and scrum principles.
- **Using** ASP.NET Core 2, C#, Angular 6 and Typescript, Selenium, Jira, Confluence, and Azure web services including DevOps/VSTS.

Software Development Intern   Infinetix | Spokane Valley, WA | June 2017 - July 2018
- **Developed** a custom timesheet web application with the Symfony Framework for internal company use.
- **Created** and maintained a Linux (Ubuntu) server to host the timesheet app and give employees access to the application.
- **Researched** methods with C# and C++ for using a Pimax VR headset to move the mouse and perform key presses.
- **Wrote** proof of concept C#/WPF applications for the Pimax project.
- **Used** C#, C++, PHP, JavaScript, jQuery, MySQL, CSS, HTML, Twig, Symfony, Knockout, Composer, Visual Studio, and PHP Storm.

Computer Science Teaching Assistant   EWU | Cheney, WA | Oct. 2016 - Dec. 2017
- **Assessed** 40+ students' coding assignments and tests.
- **Created** and implemented grading rubrics, tracked and entered grades via the Canvas system.
- **Provided** critical feedback and best practice tips to help students develop good coding habits.
- **Classes:** Java I and II, C and UNIX, and Web Application Development.

Backend Developer Intern   14Four | Spokane, WA | Mar. 2017 - June 2017
- **Developed** a budget recipe web site with two other interns; met with team weekly to design, develop, and implement the site.
- **Created** unique content for the recipe site using on-site photography and video equipment.
- **Used** with SASS, Jade/Pug, Gulp, Laravel, Composer, MySQL, CSS, HTML.

EDUCATION

B.S. in Computer Science   EWU | Cheney, WA | June 2018
Related Courses: C#, Java, C and UNIX, Relational Databases, Web Application Development, Secure Coding, Network Security, Operating Systems, Data Structures, Algorithms, Design Patterns, Software Engineering, Architecture & Organization, Digital Circuits, Linear Algebra, Discrete Math, Calculus I and II.
Affiliation: Member of Association for Computing Machinery.

PROJECTS

Access 4 All Spokane Web Application
Created MySQL databse to represent the 180+ points of data from client's pdf site survey form.
Built a custom web application interface for the client to be able to add, edit, and delete site surveys and manage users. Included user log in and access control based on assigned roles.
Utilized RESTful practices to serve up data from the database.
Used Slim 3, PHP, Javascript, jQuery, MySQL, CSS, HTML, Composer, Knockout.js, and Bootstrap 4.
Link: a4as.mizesolutions.com (email me to request admin access)

Moving A Mouse With a Pimax VR Headset
Researched methods of emulating mouse movement and key presses as well as ways to manipulate the cursor with the main application running minimized in the system tray.
Created proof of concept application with Visual Studio that used the InputSimulator package and accessed the hardware through a custom DLL which made calls to the manufacturer's C libraries.
Used WPF, C#, and C++.