

ERIC SHENG - SOFTWARE DEVELOPER

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SUMMARY OF SKILLS

- Programming/Development: C#, HTML5/CSS3/JavaScript(ES6+), Python, SQL/T-SQL, Git/Github, Microsoft TFS, Microsoft Azure, PowerShell
- Frameworks/Libraries: .NET Framework, ASP.NET MVC/Core, Web API, Entity Framework, Razor Pages, React, jQuery, Bootstrap, Telerik Kendo UI, GSAP, ScrollMagic
- Methodologies: Full-Stack Web Development, Front-End UI/UX, Back-End, Scrum, Agile, Continuous Integration
- Eager to learn new languages and frameworks, comfortable in any team environment
- Conversationally passable in Mandarin Chinese and Japanese Language

EXPERIENCE

DECEMBER 2018 - DECEMBER 2019

Software Developer

People Tech Group

- Developed Full-Stack web applications in C#, ASP.NET Core/MVC, SQL and Javascript
- Quickly picked up new technologies and languages, resolving development issues when available resources were low
- Worked closely with designers, product owners, and remote team in gathering and understanding requirements

JULY 2019 - DECEMBER 2019

JavaScript Instructor

People Tech Group

- Instructor for an offsite introductory JavaScript class, for Javascript Exam 98-382
- Taught JavaScript and programming concepts, DOM, BOM and Browser compatibility, Data Structures as part of regular lesson plans

OCTOBER 2018 - DECEMBER 2018

UI Developer Intern

People Tech Group

- Front-End development in React, JavaScript, jQuery, HTML5 and CSS3
- Developing as part of a small UI team under guidance, making company webpages and creating webapps with best practices

JUNE 2018

Software Engineer Intern

Prosper IT Consulting

- Full-Stack Web Development in C#, ASP.NET, Entity Framework 6, Razor Pages, jQuery
- Capstone Tech Academy project that went on to be deployed as production enterprise software, working as part of a small Scrum team working on various tickets

WORK PROJECTS

ASP.NET CORE, KENDO UI

WA State Investments Tracker

Investment tracker to streamline clients need to quickly lookup investment data, change info, and sort info in a clean UI

- Created ASP.NET Core with Telerik KendoUI JavaScript framework proof-of-concept application independently
- Added features such as global filtering, custom options per column, PDF/Excel file export
- Taken over others' work in the project, fixing bugs related to UI and updating of records

PYTHON, JAVASCRIPT, AZURE

People Tech Applicant Tracking System

Co-led development and utilized an existing open-source ATS, adding functionality of importing data from Azure Blob and SQL storage and parsing resume information

- Full-Stack web application running on XAMPP stack, rewrote PHP modules and custom queries in MySQL Database
- Integrated Email acquisition project into application, rewrote front-end to improve performance in lookup of 10,000+ records in the UI

C#, AZURE STORAGE,
WEBJOBS

Resume Finder Email Scheduler

Extended functionality of a current Resume Parsing application, to pull Resume attachments from a recruiter's inbox automatically at scheduled intervals

- Scheduled webjob to read unread emails and save attachments and info to Azure Blob and SQL storage respectively
- Used different NuGet packages like **MailKit**, **Azure Webjobs**, and **Azure Storage**
- Runs periodically throughout the day from an Azure Scheduler service

C#, ASP.NET MVC, JQUERY

MCIO Patcher Application

Web Application built to streamline patching process for server admins use in tracking server restarts, patches applied, duration and more in a database. Responsible in constructing UI and middle tier code, part of the project's entire lifecycle

- Using **C#** and **Entity Framework** to connect to existing database, quickly brought up a working solution under rapidly changing design requirements
- User interface brings results and statuses from server in real time, **greatly increasing efficiency** of the end users job amongst thousands of users

PYTHON/FLASK, JAVASCRIPT,
JQUERY, GSAP

Elliptica Website

Lead developer on Project Elliptica, a website for PTG's Machine Learning team showcasing Their AI/ML products to prospective clients and businesses

- Using HTML/Bootstrap/CSS/ to integrate a fully responsive layout and worked with a design team to implement a modern and sleek website
- Using **Python Scripting**, **JavaScript** and **Flask** to bring the various products to life in an end-to-end working demo within the website
- **Liberty Chatbot**: An informational chatbot for HR needs, implemented UI and behaviors from scratch to appear as a live instant messenger
- **Briefer**: A text summarizer web app with additional features, bringing summarized and entity data from documents into a presentable tables and forms of information. Demo can upload from multiple file formats or user inputted text

PERSONAL PROJECTS

ASP.NET MVC
(C# AND RAZOR PAGES)

Monster Database Importer

Website application with the ability to import data from Excel spreadsheets, based on a classic MMORPG Ragnarök Online

- **Microsoft Azure** deployed, **CRUD** operations, **Sorting**, and written with **Entity Framework Code First methodology** to update future models easily
- **Exception handling** is used to watch out for **edge cases** and **incorrect file types** to securely upload data to the database without storing potentially malicious files

ASP.NET WEBFORMS (C#)

War Card Game Simulator

A recreation of the card game War that simulates rounds played, and plays the game until a player has no more cards, or a set number of turns

- Utilizing **OOP principles**, **Array-List collections**, and **Recursive methods** to handle basic game logic and multiple 'war' events
- **Displays game results differently** depending on whether player one or player two has won, or a tie

SQL / TSQL

Library Database

Full feature normalized database of a library system with multiple tables, using **Stored Procedures** with various Join statements and Foreign Keys for querying requests similar to the needs of real-life libraries

EDUCATION

Full-Stack Web Development (20-Week Program)

The Tech Academy, Seattle

Bachelor of Arts in International Studies (Asian Studies Minor)

University of Washington, Tacoma

REFERENCES

Available upon request