

# ERIC SHENG - SOFTWARE DEVELOPER

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## SKILLS

- Programming/Development: C#, Python, HTML5/CSS3/JavaScript, jQuery, Ajax, Java, SQL, T-SQL, Git/Github, Microsoft TFS
- Frameworks: .NET Framework, ASP.NET Web Forms, ASP.NET MVC, Entity Framework, Microsoft Azure, Bootstrap, React, Flask
- Methodologies: Full-Stack Web Development, Front-End UI/UX, Back-End, Scrum, Agile, Continuous Integration, RESTful API's
- Eager to learn new languages and frameworks, comfortable in any team environment
- Conversationally passable in Mandarin Chinese and Japanese Language

## EXPERIENCE

DECEMBER 2018 - PRESENT

### Junior Web Development Engineer

People Tech Group

Developed and collaborated with multiple teams in a fast-paced, results driven environment, working on and delivering multiple projects at a time, learning new languages and frameworks as the project needs require

OCTOBER 2018 - DECEMBER 2018

### UI Developer Intern

People Tech Group

Developing with **React**, **Bootstrap 4**, **JavaScript ES6**, **jQuery** and more as part of a small UI team under guidance, making company webpages with best practices in current Front-End Technologies

JUNE 2018

### Software Developer Intern

Prosper IT Consulting

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 and building out new features of ClockIn Scheduler

## PROJECTS

PEOPLE TECH GROUP

### 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, complete with interactive demos of each product

- Using HTML/Bootstrap/CSS/ to integrate a fully responsive layout and worked with a design team to implement a modern and sleek website
- Using modern JavaScript features and applications in Python/Flask to bring the various products to life in an end-to-end working demo within the website

PEOPLE TECH GROUP

### Elliptica Demo Products

Working with the Machine Learning team to bring their products and technologies for users to try out to increase conversion of potential clients. Integrated existing Python code into flask applications to run concurrently with the Elliptica 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

PEOPLE TECH GROUP

### MCIO Patch Tracker

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 status' from server in real time, **greatly increasing efficiency** of the end users job amongst thousands of users

## ClockIn Scheduler

Full feature web application clock-in/out and scheduler, developed as a part of a team, using the ASP.NET MVC architecture. Includes an internal inbox messaging system, making time-off requests, a calendar system and more

- Improved and added features to **user validation, querying, clock-in/out process, adding popup modal dialog boxes, user/admin interfaces, etc.**
- Collaborated and contributed to the overall design process during standups **using the Scrum/Agile process**
- Using **Ajax calls**, fixed errors and debugged both the **Front and Back-End**, to give an overall better user experience
- Added **Modal dialog boxes**, improved and added features to **user validation, querying, clock-in/out process, and user/admin interfaces**
- Worked in **Scrum/Agile** methodology, and **Microsoft TFS** to collaborate and contribute to the overall design process with standups and design meetings

## PERSONAL PROJECTS

ASP.NET MVC  
(C# AND RAZOR PAGES)

### Monster Database Importer

Website application with the ability to **import data from Excel** spreadsheets, with a theme based on the classic korean MMORPG Ragnarok 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

JAN 2018 - JUNE 2018

### **Full-Stack Web Development (20-Week Program)**

The Tech Academy, Seattle

GRADUATED JULY 2012

### **Bachelor of Arts in International Studies (Asian Studies Minor)**

University of Washington, Tacoma

GRADUATED JUNE 2010

### **Associate of Sciences in Computer Engineering**

Tacoma Community College, Tacoma

Courses included **Java Programming I, II and III, Electrical Circuits, Calculus, Linear Algebra, Differential Equations**

## REFERENCES

Available upon request