Kevin Bui

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Education

University of Washington Tacoma — *Tacoma, WA*

Bachelor of Science in Computer Science, Major GPA: 3.67/4.0 — *September 2018 - June 2020*

Skills

Languages Java, JavaScript, Python, SQL, C#, Erlang, HTML, CSS, C

Frameworks .NET Framework 4.5+, ASP .NET MVC

Tools Jira, Git, SVN, Eclipse, Visual Studio 2019, SQL Server 2019, JUNIT4

Experience

University of Washington Tacoma — *Tacoma, WA*

Computer Science Mentor — *September 2019 - PRESENT*

- Supplement student understanding of object oriented programming, data structures, and algorithms by white boarding examples, tracing code, and engaging in group studies.
- Troubleshoot and help students debug coursework in Java, and Python.
- Provide advice and guidance for students in regards to future coursework.

Dude Solutions — *Poulsbo, WA*

Engineering Intern — *June 2019 - August 2019*

- Maintained the SaaS SmartGov product through agile principles and tools such as Jira to facilitate Kanban and Scrum methodology as well as .Net Framework 4.5+, and ASP.Net MVC.
- Generalized a model used for file attachments in the SmartGov BackOffice application, to allow a data model and its children model to contain file attachments such as png, jpg or pdf files.
- Added logging statements after Quartz job runs in order to determine which job runs were being deleted and modified.
- Performed bug and UI fixes using C#, .Net Framework 4.5+, ASP .Net MVC, and SQL Server 2014 for weekly release cycles.

Projects

Power Paint

- Created a basic drawing environment, allowing users to draw lines, shapes, and use different colors.
- Used Java Swing GUI components in order to create a windowed application, and Java AWT to listen to key presses and mouse events.
- A menu bar and tool bar menu allowed users to change the color and shape, and buttons on both bars were synchronized with property change listeners.

Food Roulette

- Collaborated with a team of four to create an ASP.Net web application that allows users to find restaurants based on location and rating, and selects a random restaurant based on specified parameters queried from a SQL database.
- Designed a relational schema, and an entity relationship diagram which was then normalized using Boyce Codd Normal Form.
- Mapped the relational schema into a TSQL schema script, that was used to create a relational database and then hosted on Microsoft Azure.
- Implemented the front end using ASP.Net, allowing users to query information about restaurants, ratings, or users

Kingdom of Emberfire

- A metroid-vania action platformer that was worked on with a team of four, written in JavaScript and maintained version control using Github
- Calculated distance, handled collisions, and animated sprites based on pixels, frames, and clock ticks.
- Published on Github Pages: https://verex000.github.io/TCSS491/

Opinion Spam Detection

- Used the deceptive opinion spam corpus and built a machine learning model that classified known reviews as spam or not spam from the corpus using Python.
- Reviews were put into a Pandas data frame, then all reviews were stripped of stop words, tenses and non alphabetical characters, then vectorized using TFID Vectorizer.
- Trained and tested a random forest classifier using a 70/30 split, in order to classify reviews as spam or not spam and attained roughly 89% accuracy with a run time of 1.5 seconds and using 300 best features.