Conor Beck

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Website: https://conor-beck.github.io/

Education

Stony Brook University   Stony Brook, NY
Bachelor of Science in Computer Science   August 2014 - December 2018
- *Completed Stony Brook's Japanese language study abroad program in Shizuoka, Japan*

Work Experience

The Code Source   Riverhead, NY
Software Engineering Intern   September 2018
- The project I am implementing for my internship is a user authentication system that can be reused for the company's various different projects
- The project I am working on has both a desktop and web component, I am implementing it in C#, HTML, JavaScript, Microsoft SQL Server, and the .NET Framework
- I am securing the project using best industry practices to protect against hacking

Kidoyo   Stony Brook, NY
Mentor   September 2018
- I am teaching computer programming to grade school children

Computer Programming Skills

Programming Languages: Java, JavaScript, Python, C, C#, HTML, MIPS
Databases: MySQL, Microsoft SQL Server
Technologies: CSS, XML, JSON, jQuery, Ajax, JSTL, Linux/Unix, Git, LAMP stack, .NET, Android Studio, Visual Studio, Netbeans, Jupyter Notebook, Anaconda, DevExpress WinForms
Python Libraries: NumPy, Pandas, Sci-kit Learn, OpenCV, MatPlotLib

Projects (https://conor-beck.github.io/)

Mazon: ecommerce website
- Implemented the frontend using HTML, JavaScript, jQuery, JSTL, CSS, and Bootstrap
- Developed the backend using Java servlets, and for database functionality used MySQL

Regio Vinco Map Editor: a map editor for the geography quiz game Regio Vinco
- Employed programming practices in Java such as object orientated programming, singletons, and factories to create the editor
- Used the JSON library to store data
- Created the GUI using JavaFx and developed the project using technologies such as XML and CSS

Stock Market Prediction: Analyzed large stock market datasets using Python's big data and machine learning libraries to predict future stock market data
- Manipulated and parsed a big data set using the NumPy and Pandas libraries in Python
- Performed predictions using the Sci-kit Learn library to predict future stock market data
- Graphed the data for easy analytics using the MatPlotLib library

C Shell: Implemented a command line shell in C with the same functionality as the Bash shell
- Developed the shell using the functionalities of the C language such as piping, forking, and execing to make a shell with the same features as Bash

C Memcache Server: Developed a multithreaded memcache server in C
- Incoming requests are stored in a queue data structure before being processed by the multithreaded server. The server locks sections of the code as needed to prevent errors with multithreading
- Key value pairs using a hash map data structure are used for data storage

Additional Experience

Stony Brook Intensive English Center   Stony Brook, NY
ESL Tutor and Global Student Ambassador   January 2017 - Present
- Tutor international college students learning English as a second language
- Organize group trips to locations such as New York City
- Organize group activities on and around campus

Legends at Northwell Health Jones Beach Theater   Wantagh, NY
Bartender and Cashier   May 2017 - July 2018 (seasonal)
Shibley Day Camp   Roslyn Heights, NY
Counselor   June - August 2014
- Responsible for the happiness and well being of a large group of young children
- Worked with a team of counselors to care for the camp's children

Foreign Language
- Completed three college level courses of Japanese language