FRANK FUENTES

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EDUCATION

Seattle University
B.S. Computer Science with additional major in Mathematics
GPA: 3.18/4.0

SKILLS

Languages:
C#
C++
Python
Java

Platforms:
Mac OS
Windows

Tools:
Visual Studio
XCode

Database:
MySQL

Familiar:
SQL
ASP.Net
Azure
HTML5
iOS Development
Swift
Xamarin
Git
Javascript
PHP

Other:
Artificial Intelligence
Security
Discrete mathematics
Probability & Statistics
Cryptography
Agile
Research
Leadership

PROJECTS

Deaf-Blind Registration and Matching System   2016 – 2017 | Seattle, WA
Sponsored by The Lighthouse For The Blind, Inc.
- Designed and implemented a section 508 compliant web portal using HTML5, CSS3, C#, Azure and ASP.Net MVC that significantly decreases the registration time for a global deaf-blind summer camp.
- Implemented an automated feature using artificial intelligence that matches campers to volunteers and lodging which saved the company a month of manual work.
- Lead team of four, planned and scheduled project timelines, milestones and completed sprints as Project Manager, Scrum Master and Software Developer.

Quadratic Prime-Generating Polynomials   Spring 2017 | Seattle, WA
Over Gaussian Integers
- Conducted analytical research of polynomials efficient at generating substantial amounts of prime numbers. Sponsored by the National Science Foundation.
- Discovered several quadratic polynomials where 84.5% of outputs were prime numbers over the Gaussian integer set.
- Worked with Dr. Erik Tau of University of Washington to write final math paper that was published in spring 2017.

Cadmus Dungeon Crawler   Spring 2017 | Seattle, WA
- Created a cross-platform mobile RPG game using Xamarin and C# that was immediately playable on iOS and Android devices.
- Implemented database to store characters, player inventory, dungeon loot and game settings using SQL that saved the state of the game, so players could easily quit and play the game without losing their progress.
- Designed and implemented a D&D inspired turn-based battle and leveling system that increased the enjoyment of the game.

HypeTube Media Sharing Site   Spring 2016 | Seattle, WA
- Contributed to design and implementation of a website for storing, viewing, and sharing videos, photos and audio clips using MySQL, HTML, CSS and PHP.
- Developed SQL database to store account and media information so that users could share media and receive credit for their contributions.
- Implemented functionality that enabled users to send messages to each other which doubled overall site engagement.

EXPERIENCE

Math Lab Assistant   September 2016 – Present | Seattle, WA
Seattle University
- Explained course-specific content to students needing tutoring assistance in mathematics which increased their understanding.
- Model problem-solving techniques for students so that they were more successful at solving complex problems.

President   April 2017 – April 2018 | Seattle, WA
Seattle University ACM Student Chapter
- Coordinated and lead monthly meetings with over 150 members.
- Implemented and coordinated two hackathons to showcase the talent and ideas of computer science students at local colleges.