FRANK FUENTES

Seattle, WA | frank@francizco.com | (206) 861-4500

EDUCATION

Seattle University
Double Major: B.S. Computer Science and Mathematics
June 2018
GPA: 3.19

LINKS

LinkedIn: linkedin.com/in/francizco
GitHub: github.com/francizco
Website: www.francizco.com

SKILLS

Languages:
C#, C++, Python, Java

Platforms:
Mac OS, Windows

Tools:
Visual Studio, XCode

Database:
MySQL

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

Other:
Discrete mathematics, Statistics, Research, Leadership

COURSEWORK

Data Structures
Computer Systems
Object-Oriented Design
Computer Organization
Artificial Intelligence
Security
Cryptography
Probability & Statistics
Real Analysis
Applied Fourier Analysis

PROJECTS

Published in Pi Mu Epsilon Journal: "Quadratic Prime-Generating Polynomials Over Gaussian Integers"

Spring 2017

- Proved existence of quadratic polynomials that generate primes over intervals of Gaussian integers with Dr. Erik Tau at Seattle University. Sponsored by National Science Foundation.

Deaf-Blind Registration and Matching System

The Lighthouse for the Blind, Inc.

September 2016 – June 2017 | Seattle, WA

- Nine-month senior capstone project to significantly decrease the registration time for a global deaf-blind summer camp by creating section 508 compliant web portal using HTML5, CSS3, C#, Azure and ASP.Net MVC.
- Replaced a manual matching of campers to volunteers and lodging with an automated feature using artificial intelligence.
- Lead team of four, planned and scheduled project timelines, milestones and completed sprints as Project Manager, Scrum Master and Software Developer.

Neural Networks for Facial Recognition

October 2017 – May 2018

- Investigated how neurons in the visual cortex process images of faces.
- Explored mathematical equations that approximated the work of neurons in the visual cortex.
- Researched applications of principal component analysis (PCA) on face data to isolate key identifying facial features

Cadmus Dungeon Crawler

Spring 2017 | Seattle, WA

- Created a cross-platform mobile RPG game using Xamarin and C#.
- Designed and implemented a D&D inspired turn-based battle and leveling system.

EXPERIENCE

Math Lab Assistant

Seattle University

September 2016 – Present | Seattle, WA

- Explain course-specific content help for students needing tutoring assistance in mathematics.
- Model problem-solving techniques for students.

President

Seattle University ACM Student Chapter

April 2017 – April 2018 | Seattle, WA

- Coordinated and lead monthly meetings with over 150 members.
- Cut costs of all club events by establishing donations with local businesses.
- Implemented and coordinated two hackathons to showcase the talent and ideas of computer science students at local colleges.