FRANK FUENTES

Seattle, WA | frank@francizco.com

EDUCATION

Seattle University
B.S. Computer Science and Math
Expected June 2018
GPA: 3.17

President, Seattle University ACM
Student Chapter
April 2017 – April 2018

LINKS

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

SKILLS

Languages:
C#, Python, C++, 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, Management

COURSEWORK

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

PROJECTS

Neural Networks for Facial Recognition
October 2017 – Present
- Investigating how neurons in the visual cortex process images of faces.
- Researching applications of principal component analysis (PCA) on face data to isolate key identifying facial features

Deaf-Blind Registration and Matching System
The Lighthouse for the Blind, Inc.
September 2016 – June 2017 | Seattle, WA
- Significantly decreased 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.

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.

Quadratic Prime-Generating Polynomials Over Gaussian Integers
Published: Pi Mu Epsilon Journal, 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.

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.

After-school Programs and Technology Director
Tiny Tots Development Center
2009–2011 | Seattle, WA
- Increased test scores over 250% by restructuring and expanding after-school services for elementary students in Southeast Seattle.
- Coordinated with teachers to design after-school activities based on effective classroom strategies