

# FRANK FUENTES

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## EDUCATION

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### Seattle University

B.S. Computer Science and Mathematics

Dean's List of the College of Science and Engineering

President, Seattle University ACM Student Chapter

Seattle, WA

Expected: June 2018

April 2017 – April 2018

## TECHNICAL & PROFESSIONAL SKILLS

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- C#, Python, C++, Java
- Experience with SQL and ASP.Net
- Computer Systems
- Object-Oriented Design
- Artificial Intelligence
- Computer Organization
- Data Structures
- Database Design and Implementation
- Computer Networks

## PROJECTS

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### 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

Seattle, WA

*The Lighthouse for the Blind, Inc.*

September 2016 – June 2017

- Created section 508 compliant web portal to register deaf-blind applicants for summer camp using HTML5, CSS3, C#, SQL, Azure and ASP.Net MVC that significantly increases the turn-around time of a previous paper-based system.

### Cadmus Dungeon Crawler

Spring 2017

- Developed D&D based, cross-platform mobile game using Xamarin and C#.

### Quadratic Prime-Generating Polynomials Over Gaussian Integers

Summer 2015

*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.

## PROFESSIONAL EXPERIENCE

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### Math Lab Assistant

Seattle, WA

*Seattle University*

September 2016–Present

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

### After-school Programs and Technology Director

Seattle, WA

*Tiny Tots Development Center*

2009–2011

- Successfully improved, restructured, and expanded after-school services.
- Designed comprehensive intervention strategies to accommodate different types of learning needs.
- Coordinated with teachers to design after-school activities based on existing classroom strategies.