Amy Lin

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Permanent Address
2216 Cimmaron Dr.
75025 Plano, TX

University Address
5032 Forbes Ave. SMC 3061
15289 Pittsburgh, PA

Education:

Carnegie Mellon University
Bachelor of Science in Electrical and Computer Engineering
GPA: 3.2/4.0

Pittsburgh, PA
May 2017

Texas Academy of Mathematics and Science (TAMS)
GPA: 3.885/4.0
    Two years of courses taken at the University of North Texas

Denton, TX
May 2013

Related Coursework:

Introduction to Computer Systems (Programming in C)
Principles of Imperative Computation (Programming in C)
Structure and Design of Digital Systems (Programming in SystemVerilog onto FPGA)
Fundamentals of Programming and Computer Science (Programming in Python)

Skills:

Related: Computer Programming (Python, C), HDL (SystemVerilog), UNIX, SOC Design (FPGA), RTL Design
Others: Microsoft Excel Pivot Tables, Adobe Photoshop/Gimp, Agile Methodologies, Software Development Life Cycle, Microsoft
        Sharepoint, Prototyping, HTML/CSS

Related Experiences:

Business Analyst Intern at AmerisourceBergen Specialty Group
Frisco, TX. May 2014 to August 2014
    Participated in the Software Development Life Cycle and Agile work environment
    Tested developing health care software
    Created visual representations of company vision, progress, and process
    Contributed to unifying database endeavors
Audit Associate at the Carnegie Mellon Student Body Vice President – Finance
Carnegie Mellon University, Pittsburgh, PA. September 2013 to Present
    Analyze spending and budgets of over 150 campus organizations
    Summarize financial data into presentable pivot tables for school's student-run finance committee
    Evaluate funding and metrics for campus organizations of future fiscal years
    Restructure finances for unexpected campus needs
    Create pivot tables with extensive use of Microsoft Excel
Research Assistant under Dr. Guenter Gross at the Center for Network Neuroscience
University of North Texas, Denton, TX. September 2011 to March 2013
    Explored the application of neuro-computation to all laboratory data
    Completed statistical analyses on neural-network activity

Independent Projects:

Brick Breaker: game programmed onto FPGA and displayed on monitor; two-week SystemVerilog Project
    Written in combinational logic
    Demonstrates complex RTL Design
Racers: a single player racing game with easily customizable race tracks; three-week Python term project
    No additional packages / all self-written code
    Acceleration/deceleration and turns included in car movements in reaction to pushed arrow keys
    Object-oriented programming
    Off road speed limits and randomly placed road obstacles
    Options for number of laps and track difficulty

Activities:

Carnegie Mellon College of Engineering Community Building Committee
        Budget, organize, and host events for the 1700 undergraduate engineering students
Asian Christian Fellowship
        Lead weekly women's bible study and weekly discussion group
Inter-Fellowship Association
        Coordinate campus-wide Christian events