Bryan Kline
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Education:

University of Nevada Reno (UNR)
Bachelor of Science, Computer Science and Engineering
01/2015 - Present
GPA: 3.97

Projects:

Aerial Drone Notification System
A real time notification and warning system for aerial drones created as a senior project for the Autonomous Robots Lab at UNR. The system monitors current and voltage levels, drone proximity to obstacles, and any other user defined sensor added, and reports all values wirelessly and issues alerts if they are outside acceptable ranges.
Python, C, C++

Traffic Simulation for Smart Cities
A city map and traffic simulation tool which allows for the definition of arbitrarily large city maps and car counts; models the city as a Software Defined Network and demonstrates the effects of road closure and traffic congestion on map throughput, and allows for dynamic smart car rerouting using Dijkstra's algorithm.
C++

TextTree
GUI application that stores and organizes data using a tree-based data structure.
Java (Swing) and C++

Note Taker
A command line utility for the UNIX terminal which allows the user to enter and organize notes and files, using a database created with SQL to store the data.
C++ and SQLite

ASUN Campus Escort (UNR) Data Management Script
Python script created for campus transportation program for the Associated Students of the University of Nevada (ASUN) to manage service user data.
Python

Programming Languages:

C/C++ (proficient)	Python (proficient)	Java (proficient)
C# (intermediate)	UNIX Shell (intermediate)	Assembly (intermediate)
JavaScript (beginner)	Lisp/Scheme (beginner)	SQL(beginner)

Relevant Course Work:

Object Oriented Programming (CS202), Data Structures (CS302), Operating Systems (CS446), Algorithms (CS477), Security and Reliability (CS450, CS454), Databases (CS457), Software Engineering (CS425, CS426), Computer Organization (CS219), Embedded Systems (CPE301), Real Time Operating Systems (CPE406), Computer Networking (CPE400)

Relevant Work History:

Computer Science and Engineering Department, UNR
Teaching Assistant (CS135)
08/2016 - 05/2017
Dr. David Fiel-Seifer (CS135 Professor)
(775) 784-6469