ANDREW BELL

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EDUCATION

B.S. in Computer Science from California State University Monterey Bay October 2020

Aptos High School Graduating Class of 2014

PROGRAMS & LANGUAGES

Adobe Premiere, After Effects, Illustrator, Final Cut Pro, Blender, AutoCAD

C++, HTML5, CSS, PHP, JavaScript, ReactJS, NodeJS, mySQL, Java, Python, and UNIX

Microsoft Word, Excel, Outlook, and Powerpoint and their MacOS/Google alternatives

SKILLS & ATTRIBUTES

UNIX/Computer Experience

- Automated homework submission with Bash Shell Script
- Admin of personal web server for portfolio website and Japan trip image hosting
- Made personal Smart Thermostat using Raspberry Pi Zero
- Works on Windows, Mac, and Linux systems daily

Team work

- Works with Professor to improve student's learning
- Working on SAGA team at CSUMB and other team projects through school
- Working with small team on creating a Javascript based multiplayer game

PROJECTS

Mirrored Fantasy - Javascript, NodeJS, ExpressJS, Socket.io

Online MOBA style game written from scratch in NodeJS, ExpressJS, JavaScript with custom collision engine and networking using Socket.io for multiplayer gameplay.

Parking Detection - Python, OpenCV, Javascript, GoogleMapsAPI, PHP, MySQL

Using Raspberry Pis as cameras and OpenCV for car image recognition to detect open parking spaces, then displaying available spaces on a website using the Google Maps API

Kana Flights - Java SpringBoot, Javascript, MySQL

A flight booking microservice built for a larger travel planer (bookings.com clone) where users can look up and reserve flights through the site or the rest API from the planner site.

HONORS & AWARDS

People's Choice Award in CSUMB Capstone Festival for Mirrored Fantasy 2020

First Place and Second in the next year in the Reddit Minecraft Tournament 2012 - 2013

Various Awards in the Youth Climbing League 2009-2012

WORK EXPERIENCE

STEM Tutor and Computer Science TA at Clovis Community College, 8/2018 - 8/2020

Best Buy Costumer Service Specialist, 2/2015 - 2/2017