Sean Yue

Contact

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Languages

Python
Java
HTML & CSS
JavaScript

Tools

Bootstrap
Firebase
Node.js
VMware/VirtualBox
Kali Linux
Metasploit

Education

British Columbia Institute of Technology
Dipl. Computer Systems Technology Co-op Program
Sept. '20 – Jun. '22
GPA: 91%

University of California, Los Angeles
B.Sc. Molecular, Cell, & Developmental Biology
Sept. '15 – Jun. '19
GPA: 83%

Profile

Results-driven, organized, and motivated student with experience in completing projects in different programming languages. Familiar with basic cybersecurity and pen-testing techniques, client-side consulting, report writing. Thrives in team environments.

Technical Projects

A* Pathfinder

Dec. '20

- ❖ Created to visualize in PyGame the A* pathfinding algorithm in action
- ❖ Interactive UI allows the user to select origin and endpoints and draw walls on grid before the path is calculated
- ❖ **Technologies**: Python, PyGame

CompCampus

Oct. '20 – Dec. '20

- ❖ Created in a team of 4, gained experience with GitFlow and Agile Methodology
- ❖ Application uses a JavaScript quiz feature to match students with computer science courses/programs based on their preferences
- ❖ Implemented features to show students program cost and location

Technologies: HTML5, CSS, Javascript, Firebase, Bootstrap

Experience

Laboratory Biologist at Nautilus Environmental; Burnaby, BC

Sept. '19 – Aug. 20

- ❖ Carried out chronic toxicity tests on live aquatic organisms.
- ❖ Performed statistical analyses on test data using CETIS software
- ❖ Assessed results for QA/QC. Compiled results into official reports for clients
- ❖ Involved in environmental consulting for energy sector clientele

Research Assistant at UCLA P. Rundel Laboratory; Los Angeles, CA

Jun. '18- Apr. '19

- ❖ Investigated effects of climate change on California invasive plant species (*B. madritensis*)
- ❖ Planted, grew, and harvested +300 plant samples; recorded quantitative and qualitative data of each sample into Excel
- ❖ Analyzed samples for nitrogen content using mass spectrometry
- ❖ Imaged plant samples using bright field microscopy