NEERAJ SAMTANI

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Profile

A curious and passionate student who has internship and open-source experience. I enjoy programming in C++ and Python and am interested in projects which solve real-world problems with Computer Science.

Education

Computer Science and Engineering (B.S.) | 2022
University of California, Los Angeles - GPA 3.79

International Baccalaureate Diploma | 2018
GEMS Modern Academy, Dubai - Valedictorian

Work Experience

Full Stack Developer   06/2017 – 09/2018
GEMS Modern Academy, Dubai, U.A.E.

- Created a website which enables students of GEMS Modern Academy to trade used textbooks.
- Spearheaded a marketing campaign which led to 450+ users signing up within the first two months.
- Trained four students to maintain the website and update it with new features.
- Languages: HTML, CSS, JavaScript, PHP, and MySQL | github.com/neerajsamtani/booksforacause

Software Developer Intern   07/2017 – 08/2017
Esri, Sharjah, United Arab Emirates

- Developed plugins to provide support for WEBP and PDF file formats in ArcGIS using the open source library GDAL. Wrote user documentation outlining the installation process of these plugins.
- Collaborated with a team to write and optimize an automation script which significantly reduced development time by comparing image statistics and checking for support for various file formats.
- Languages: C++, Python

Featured Projects

Gee-nomics (Software)
- Created software to input and process genetic data
- Github: https://github.com/neerajsamtani/Gee-nomics | Languages: C++

Zombie Dash (Video game)
- Developed a game which follows a zombie hunter trying to kill zombies and save citizens
- Github: https://github.com/neerajsamtani/ZombieDash | Languages: C++

3D Image Generator (Script)
- Wrote a script to automatically generate stereoscopic 3D images
- Github: https://github.com/neerajsamtani/gif_creator | Languages: Python, Imageio Library

Skills

`C++` `Python` `JavaScript` `Web Development` `Git` `Leadership` `Teamwork`

Awards

Valedictorian, GEMS Modern Academy   07/2018

Certificate of Distinction & Contest Medal, Euclid Mathematics Contest   05/2018

Runner up, GEMS-Keita Mobile App Making Competition   05/2017

K.S. Varkey Merit Scholarship   05/2016