Jackie Cho

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WORK EXPERIENCE

Data Science/Software Engineering Intern
Aug. 2018 — Current | Houston, TX
NASA — Johnson Space Center

● Lead machine learning projects involving large data visualization of NASA Wiki pages using JavaScript, Python, Docker, WebGL, D3.js, Three.js, dat.GUI, PHP, and MySQL.
● Scrape and clean JSON data from Wiki using a custom MediaWiki API, AJAX, and Python, applying it to a 3D-force-directed-graph and 2D TreeMap.
● Expand on data visualization project with virtual reality interface using C#, Unity, WebVR, HTC Vive and Leap Motion.
● Collaborate with the NASA Data Analytics team daily, enforcing effective communication skills and teamwork.

Software Engineer Intern
Jun. 2018 — Aug. 2018 | New York, NY
NOVO Consulting LLC.

● Developed a full-stack, multi-page web application that automates games and survey previously done manually by the company.
● Implemented ReactJS to improve workflow in front-end, built back-end queries with PostgreSQL, and deployed on Amazon Web Services.
● Self-managed the project without a mentor and self-taught the necessary tools used in the project on the job.

Software Engineer Intern
Jan. 2018 — Jun. 2018 | New York, NY
NYU Office of Residential Life & Housing Services

● Designed full-stack web applications for campus-wide use that manage housing applications, support center, and forum.
● Optimized and improved UI/UX with HTML5, CSS, jQuery, and Bootstrap, while implementing a mobile-friendly design.
● Compiled and deployed with ASP.NET and AWS, while working with a team of developers, managing workflow with Git.

IT Specialist Intern
Summer 2017 | Seoul, South Korea
Severance Hospital of Yonsei University

● Organized and analyzed administrative data and daily anesthesia units using Excel in the post-anesthesia care unit.
● Assisted with computer configuration, troubleshooting software and network connectivity issues. Updated office computers to latest Windows operating systems using SCSM.

Web Developer/Partner
Jul. 2015 - Sep.2016 | Princeton, NJ
Institute of Asian Culture & Development

● Built organization's website using HTML5, CSS3, JavaScript, and Bootstrap, and deployed with Git.
● Implemented a custom PayPal directory that directed 26% of the fund for the development of a public library as part of an educational outreach project.

PERSONAL PROJECTS

Today's *Web Application*
Nov. 2017

Web app that displays user's local time, location, weather, and a responsive to-do list, using Weather API, JavaScript, and HTML5/CSS3.

Zombie Island Escape *3D Unity Game*
Ongoing

3D first-person shooter game where player must escape a zombie infested island under given time, built in C# and Unity.

EDUCATION

New York University
2016-2020

B.A, Computer Science, Mathematics
Minor in Physics
3.79 GPA, Dean's Honors List

Relevant Courses: Data Structure, Intro to Computer Science, Intro to Programming, Linear Algebra, Discrete Math, Calculus I, II & III, General Chemistry & Lab I, II

SKILLS

Languages:
Experienced: Python, HTML5/CSS3, JavaScript
Intermediate: Java, C#, SQL, Processing, PHP

Library/Frameworks: ASP.NET MVC, D3.js, WebGL, Three.js, ReactJS, jQuery, Bootstrap, Django, Unity, Android Studio, p5.js, Node.js

Databases: AWS, PostgreSQL, SQLite, MySQL

Tools/OS: Docker, Git, Jupyter, MATLAB, IGOR Pro, Logger Pro, Arduino, Eclipse, MediaWiki, Visual Studio, HTC Vive, Leap Motion, UNIX, MacOS, Windows, Microsoft

EXTRACURRICULARS

Medical Dialogue Review Writer
Published a research article on the ethical issues of certain cancer screening practices. (www.mdrnyu.org/publications/ Volume 11, Issue 1).

WinC (Women in Computing) Mentee
Meet with mentor biweekly, discussing new opportunities in STEM. Attend weekly workshops to practice coding, and conferences to network.