Olivia Lu

Seeking a software engineering internship for the summer of 2019

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EDUCATION

Cornell University, Ithaca NY

College of Engineering   GPA: 3.79/4 (Dean's List)

Aug 2018 - May 2022 (Expected)

- Bachelor of Science, Computer Science
- ***Coursework:***
  - CS 2110: Objected Orientated Programming & Data Structures
  - CS 2800: Discrete Structures
  - INFO 1998: Backend Development
  - MATH 1920/2940: Multivariable Calculus & Linear Algebra
  - PHYS 1112/2213: Mechanics, E&M
  - ENGRI 1210: Computing Tech in Smartphone

Thomas Jefferson HS for Sci/Tech, Alexandria VA

TJHSST Advanced Diploma   GPA: 4.5/4

Sep 2014 - Jun 2018

- ***Activities:*** Co-president of National Slavic Honor Society (SLAVA)
- ***Coursework:*** Artificial Intelligence, Computer Systems Research, Web/Mobile Development, Statistics, Cryptography, AP Russian

EXPERIENCES

Cornell University Unmanned Air Systems, Ithaca NY

Oct 2018 - CURRENT

- Web development and graphic design on Design & Operations subteam
- Developing Indigo, a software to organize corporate sponsorships
- Led fundraiser for over $30,000 in a crowdfunding campaign that had the most donors in Cornell history
- Collaborates to design and build an autonomous aircraft for the international AUVSI SUAS Competition

VA Earth System Science Scholar, NASA Langley

Nov 2017 - July 2018

- Research Scientist on Science subteam
- Designed an Earth satellite mission to study the hydrosphere and presented to aerospace industry experts
- Determined mission goals/objectives in accordance to NASA's Decadal Survey and collaborated with other teams to consolidate instrumentation

VA Aerospace Science Tech Scholar, NASA Langley

Nov 2016 - July 2017

- Site Selection Specialist on Science and Surface Operations subteam
- Designed a manned mission to Mars and presented to a panel of NASA researchers
- Researched Martian topography and wrote a site proposal based on science objectives

PROJECTS

Physics Solver—*Computer Systems Research*

Sep 2017 - Jun 2018

- Developed an AI program in Python that utilizes NLTK and SymPy to solve 1D kinematics physics word problems
- Presented results at the tjSTAR research symposium

LANGUAGES

Python

Java

HTML/CSS

Javascript

TECHNOLOGIES

Natural Language Processing

Web Development

Sublime | Git

Adobe Photoshop

SKILLS

Technical Writing

Graphic Design

AWARDS

National Semi-Finalist, CyberPatriot 2018

- Cybersecurity competition
- Secured networks of Cisco devices using Packet Tracer
- Platinum Tier (highest); ranked 44th out of 2757 teams nationally

Best Design, HackTJ 2018

- *The Lens*—web app that analyzes media bias using NLP and tweets
- *Created frontend interface*

Best Use of Microsoft API, Technica Hackathon 2017

- *Euphoria*—web app that analyzes happiness in a college
- Azure Cognitive Services

Best Design, HackTJ 2017

- *Stocktastic*—web app that analyzes stocks
- *Created frontend interface*

OTHER

- Volunteer at National Air and Space Museum (2016 – present)
- Exhibited at National Building Museum (2016)