

Leo Yang

2010 Christopher Dr. Blacksburg, VA 24060
MSC 560 1200 E. California Blvd. Pasadena, CA 91126
(540) 235-6670 leoyang33@yahoo.com

Junior year computer science student at Caltech looking for opportunities to leverage my computer science and software engineering skills as a software engineering intern.

WORK EXPERIENCE

Undergraduate Researcher

Caltech SURF Fellow

Pasadena, CA

June 2022-August 2022

- Developed code for SkyPortal, an open-source astronomical data platform. Worked under Dr. Robert Stein with the Kasliwal Research Group and the Fritz Marshal dev team.
- Used ReactJS and Python to implement 2 new frontend components and 3 new backend API endpoints to help streamline the analysis of over 2500 GCN Events saved in the database that will aid in the research of kilonovae during LIGO/Virgo/KAGRA's O4 observing run.

Teaching Assistant (TA)

Caltech CS4: Fundamentals of Computer Programming

Pasadena, CA

Upcoming: Jan 2023-Mar 2023

- Will help students learn about OCaml and the fundamentals of functional programming.
- Will hold one-on-one sessions with students who need help and provide helpful feedback on assignments.

EDUCATION

California Institute of Technology (Caltech)

GPA: 3.8/4.0

Pasadena, CA

2020-2024

Computer Science Major and Information and Data Sciences Minor

Relevant Classes: Data Structures, Algorithms, Web Development, Discrete Math

Upcoming Classes: Learning Systems, ML and Data Mining, Databases, Robotics

Blacksburg High School

Advanced Diploma (GPA: 4.53/4.0)

Blacksburg, VA

2016-2020

Dual-Enrolled w/ Rochester Institute of Technology & New River Community College

PROJECTS

- Created a physics engine in C that simulated forces and collisions. This engine was then used to create a multiplayer game that involved creating multiple levels, obstacles, and platforms for the players to traverse.
- Developed a full-stack e-commerce store website using JavaScript, Node.js, HTML, and CSS that utilized 5+ GET and POST endpoints to update the store's inventory, promote sales, and categorize products.

ADDITIONAL SKILLS AND HONORS

- Proficient in Python, Java, C, JavaScript, HTML5, CSS, MatLab, and OCaml
 - Experience with Node.js, ReactJS, Express
- Proficient in MS Office (Word, Excel, PowerPoint)
- Fluent in English and Chinese
- Caltech Swim & Dive National Team Member - 2022 NCAA All-American and Scholar All-American

LEADERSHIP EXPERIENCE

- Captain of Blacksburg High School Swim & Dive team
- Blacksburg High School Symphonic Band Section Leader
- District Winner in DECA Marketing/Business Management (2017)