

YASH LALA

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Palo Alto, CA

OVERVIEW AND AVAILABILITY

I am a third-year computer science undergraduate student at UCLA. My interests include parallel computation and distributed system design + debugging. I am seeking a full-time internship for Summer 2021.

EDUCATION

UCLA B.S. in Computer Science (ongoing)

GPA: 3.7, 2018 - Present

BASIS Independent Silicon Valley High School

GPA: 3.9, 2014 - 2018

TECHNICAL SKILLS

Computer Languages C, C++, Go, OCaml, Python, Shell.

Software & Tools Ansible, Git, GCP, etc. Strong focus on scripting and kernel mechanisms.

RELEVANT COURSEWORK

CS 111: Operating Systems

CS 118: Computer Networks

CS 131: Programming Languages Architecture

CS 134: Distributed Systems

CS 145: Data Mining

CS 180: Algorithms

CS 181: Formal Languages and Automata Theory

Math 33A + 115AH: Linear Algebra

CS 130: Software Engineering

CS 143: Database Systems

RELEVANT EXPERIENCE

Pringle Lab, Stanford Genetics Department

June 2017 - August 2017

Undergraduate Research Intern

- Focused on automating miscellaneous lab tasks using software. Developed a microscopic cell image recognition+counting program from scratch for use in algal haemocytometry.

Veritas Technologies LLC

June 2021 - Present

SDE Intern

- Worked on NetBackup Flex platform. Team tasked with implementing automatic compute node discovery+assimilation over a network, then making this functionality visible to the user via a Web UI. Refactored internal API logic; converted SSH+shell-script-based code to Ansible+HTTP based setup.

INDEPENDENT PROJECTS

bNEAT

September 2017 - May 2018

- Worked on developing an improved version of the Neuroevolution of Augmenting Topologies algorithm by using subnet recognition to software analogues to homeobox genes. Tested the modified algorithm's performance by teaching it to play Super Mario World[®]. Resulting algorithm runs through the initial learning phase faster than 'vanilla' NEAT.

Junknet: Distributed Compilation Framework

January 2021 - March 2021

- Worked on developing a distributed computing framework for a home environment. Project analyzes Makefiles and runs them in a distributed manner over available LAN devices. Network and device failures are tolerated.