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	LaTeX, 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.

Sensagrate Dev Labs — July 2019 - August 2019
Trainee

· Training program. Trained in image-recognition, with a particular focus on using OpenCV for traffic pattern recognition.

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.