

Utsav Munendra

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EDUCATION

University of California, Los Angeles

Expected December 2021

Bachelor of Science (BS) in Computer Science

- **GPA:** 3.97
- **Relevant Coursework:** Data Structures, Algorithms and Complexity, Software Construction Lab, Operating System Principles

TECHNICAL EXPERIENCE

Cuneiform Digital Library Initiative (CDLI)

June – September 2019

Web Developer

- Developed responsive webpages for a highly customizable heatmap with filters
- Improved CSS pre-compilation pipeline and provided thorough instructions and wrapper Bash scripts for other developers
- Refactored MVC templates in Twig for 28 tables to use Bootstrap
- Identified and documented bugs in the Python scripts for converting databases

Microsoft Visual Studio Code – Open Source

August 2019 – Present

Open Source Developer

- Reviewed Content Security Policy (CSP) of major VS Code extensions and improved the CSP of two of those
- Resolved bugs relating to the git implementation of VS Code
- Developed an extension in TypeScript for students to debug C/C++ programs, extension installed more than 600 times in its first month.

Perceptual Processing & Computation Lab

September 2019 – Present

Technical Lead

- Formulated the database schema and website plan after discussing the relative merits of different frameworks
- Programmed experiments pertaining to visual perception and learning which customize to the participant's proficiency and acuity

PERSONAL PROJECTS

UCLA ACM TeachLA and LikeLion

September 2018 – May 2019

Full-Stack Developer

- Developed a research-posting aggregator website with back-end of Ruby on Rails (rconnect-ucla.herokuapp.com) on AWS with MySQL database storage
- Resolved bugs relating to the front-end of ACM Teach LA website using React and Redux in a team of ten developers

Cellular Automata Simulator

March 2018

- Animated the progression of Conway's Game of Life and Wolfram's Elementary Cellular Automaton using C++ on a command-line environment

AWARDS

• Dean's Honor List

(Fall 2018, Winter 2019, Spring 2019)

• International First

Rank in Cyber

Olympiad:

In SOF Cyber Olympiad against 100,000 students (2015, 2016, 2018)

SKILLS

Programming

Languages:

Proficient:

- C++

Intermediate:

- C
- Python
- SQL
- TypeScript

Web Development:

Front-end:

- JavaScript
- Sass/SCSS
- HTML5/CSS3

Back-end:

- Ruby on Rails
- PHP

Libraries:

- React.js and Redux.js
- Node.js
- Bootstrap
- CakePHP

Technical Tools:

- Git
- Bash
- Docker