# MILES KANG

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**UNIVERSITY OF CALIFORNIA, LOS ANGELES**        **Class of 2022**
*Computer Science, B.S.*        **GPA: 3.81**

**Coursework:**

- ❖ Data Structures & Algorithms
- ❖ Computer Organization
- ❖ Discrete Structures
- ❖ Operating Systems
- ❖ Computer Graphics
- ❖ Software Construction Lab
- ❖ Abstract Linear Algebra
- ❖ Applied Numerical Methods

## EXPERIENCE

**Software Eng. Intern | *UCLA CCLE***    April 2020 - Present

Develop full-stack LTI tools to integrate into Moodle/Canvas, using a **Node, React, Express, and MongoDB** framework.

- ❖ Build a user-friendly frontend with React components and Instructure UI.
- ❖ Write RESTful APIs to send/retrieve user and course data between the client and the database.

Contribute features and fix bugs for UCLA's CCLE Moodle server, through which students and staff primarily interact online. (**PHP + Javascript**)

**Dev Team | *ACM Teach LA***    Sept. 2019 - Present

Develop web education tools for students at local Title I schools.

Collaborate with ACM AI to create interactive single-page modules that accommodate their Machine Learning course.

- ❖ Incorporate **Javascript** libraries such as FunctionPlot (d3), math.js, and anime.js.

Contribute to the frontend of our online code editor (**React**): *editor.uclaacm.com*

## PROJECTS

**Personal Portfolio**        *React, Node*

Created a **React** app to showcase projects/involvements: *kilometerskang.github.io/me*

Styled using SASS.

## PROFICIENCIES

***Languages*:**
Python, C++, C, Javascript, PHP, HTML/CSS/SASS.

***Libraries/Frameworks*:**
React.js, Node.js, Express.js, MongoDB, MariaDB, Jest, Enzyme, various CSS frameworks.

***Tools/Workflows*:**
Git, Docker, Scrum/Agile, Jira, Trello.

## HONORS

**Upsilon Pi Epsilon | *CS Honor Society***

Inducted Fall 2019.

**AIME | *American Inv. Math Exam***

Top 2.5% scorer on AMC 10 (2017), top 5% on AMC 12 (2018).

## OTHER EMPLOYMENT

**Retail Associate | *West Valley Music***

Improved interpersonal skills through interactions with hundreds of customers.

**Assistant Instructor | *Kumon***

Worked in a fast-paced environment giving students one-to-one help on homework/classwork (English, Math).