Jonathan Lieu

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EDUCATION

California State University, Northridge   *Major GPA: 3.6*
B.S. in Computer Science, May 2021.

SKILLS

Languages: Python, Java, JavaScript, HTML/CSS, SQL
Frameworks / Tools: React, Node.js, Express, Bootstrap, MongoDB, Jira

PROJECTS

Concert | *MongoDB, Express.js, React, Bootstrap, Material UI, Node.js*

- Developed a scheduling web application hosted on Heroku in a team of 6 for 7 months to facilitate interaction between tutors and students.
- Implemented a Slack-like chatting interface and login page with data validation using Joi, Material UI and React.
- Implemented the Zoom and Calendly APIs for scheduling logic and email notifications.
- Leveraged MongoDB to integrate with the university's Canvas system and store user information such as username, salted passwords, chat posts, and courses.
- Ensured code quality with unit and integration tests, received feedback from real world users, and stress tested for scalability.

Weather Application | *Node.js, EJS, Express.js*

- Developed a weather application in a team of 4 for 2 months using data fetched from OpenWeatherMaps and Bing Maps APIs
- Displays current and forecasted weather information such as temperature, humidity, air pressure, overall weather conditions, and a map centered on user location
- Utilized embedded JavaScript and Bootstrap on the front-end entry search and weather display pages and implemented the back-end using Express.js.

Personal Website | *HTML, CSS, Bootstrap*

- Developed fully responsive and static website that features projects, social links, and resume hosted by GitHub Pages.
- Registered DNS record using Google domains for custom domain.

Discord Bot | *Python, Discord.py*

- Collaborated on and implemented a Discord bot hosted on AWS EC2 for personal use.
- Incorporated cron-like schedulers to periodically update server information, send custom personal reminders, and fetch cryptocurrency prices.

AWARDS

Dean's List Recipient: *Fall 2021*