Kevin Dillon

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Education

California State University, Fullerton
B.S. Computer Science — Expected Graduation: May 2022

Skills

Languages: C++, Java, JavaScript, Python, R, HTML, CSS
Technologies: React, Node.js, D3, Bootstrap, Bulma, *Apache Kafka
Tools/Others: Linux, Git, GitHub, Valgrind, JupyterLab, *Apache Cassandra, *Apache Airflow

Experience

Bank of America — New York, NY
Software Engineering Intern — June 2021 – August 2021

- Constructed internal application for generating detailed reports about mortgage-backed securities, using React and various React component libraries.
- Created publish/subscribe messaging functionality between React application and REST API for requested reports. Monitored server requests and responses, solved report generation server errors when occurred.
- Implemented improvements that reduced report generation time by 20%.

Lawrence Berkeley National Laboratory — Berkeley, CA
Software Engineering Intern — June 2020 – August 2020

- Designed and built user-facing dashboard for visualizing the job queue of the lab's supercomputer (previously 5th fastest in the world) by utilizing JavaScript, D3, Node.js, React.
- Developed tool to convert and process queue data from the supercomputer's job scheduler (typically held between 15,000 - 50,000 job requests) for use with dashboard using JavaScript and Python.
- Collaborated with the National Energy Research Scientific Computing Center (NERSC)'s User Engagement Group for their user experience expertise.

Projects

Avoiding Predatory Lending

- Created web application with team to help educate members of the community about the dangers associated with payday loans in the hope of diminishing the use of predatory lending.
- Made response knowledge quiz and interest calculator using React, JavaScript, and Material UI.
- Winning project for JPMorgan Chase & Co.'s Code for Good 2021 hackathon.

EchoCarbon

- Developed web application to help users reduce their impact on the environment. Users enter information about their current lifestyle habits, and then can see their current impact and how to improve.
- Utilized React, Node.js, CSS, Bulma to create real-time output based off user input.

Productify

- Hackathon project focused around improving physical health, mental health, and productivity while at home due to COVID-19.
- Constructed front-end using HTML, CSS, Bootstrap. Used JavaScript for information generation.

Extracurricular Activities

Association for Computing Machinery (ACM) – CSUF Chapter
Board Member — December 2020 – June 2021

- Conducted collaborative workshops and presentations for topics such as data structures and algorithm design, to help fellow students hone their computer science abilities.

World Information Architecture Day – Los Angeles Event
Volunteer (Webpage Coordinator) — January 2020 – February 2021

- Managed event webpage with updated information and maintained event branding standards.