# Kevin Dillon

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## Education

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

**Relevant Coursework**:
Data Structures, Algorithm Engineering, Object-Oriented Programming, C++ Programming, Java Programming, Computer Organization, Discrete Mathematics, Software Engineering, File Structures & Database Systems

## Experience

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

- TBA

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

- 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.
- Wrote research paper around determining effective ways to visualize large amounts of queue data, the focus for my dashboard project, and presented findings at a research poster session.

**Eye Level Learning** December 2018 – March 2020
Math Instructor Irvine, CA

- Taught mathematical concepts to students while in a classroom setting and administered math subject exams.
- Made reports to track each student's progress and adjusted coursework to cater towards student's academic necessities.

## Projects

**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, and Bootstrap. Used JavaScript for information generation.

**Wishful**

- Worked as a part of a team to develop a web application to allows users to create collaborative wishlists, made as part of the HackUCI 2020 hackathon.
- Used HTML, CSS, Bulma, JavaScript to build out front-end and for dynamic list entries.

## Skills

**Languages:** C++, Java, JavaScript, Python, HTML, CSS
**Technologies:** Node.js, D3, React, Bootstrap
**Tools/Others:** Linux, Git, GitHub, Valgrind, JupyterLab, Eclipse, Visual Studio

## Extracurricular Activities

**NASA Aerospace Scholars** May 2020 – October 2020

- Selected to attend onsite event at a NASA center after completing a 3-month-long exploratory program focused on NASA's missions and research, switched to a virtual event due to COVID-19.
- Worked as part of an 11-person team to research and plan a fictious scientific mission to Mars. Conducted research and oversaw computer system designs as the team's computer engineer.