SHER SHAH
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EDUCATION

University of California, Berkeley   **Berkeley, CA**
Computer Science   *May 2021*
- Major GPA: 4.0; Cumulative GPA: 3.66
- Relevant Coursework: Discrete Mathematics and Probability Theory, Data Structures, Structure and Interpretation of Computer Programs, Linear Algebra and Differential Equations, Multivariable Calculus

TECH STACK
- General Languages: Java, C, C++, Python, SQL
- Web Development: HTML, (S)CSS, JavaScript, PHP, Node.JS, AngularJS, MongoDB
- Machine Learning Libraries: KERAS, PyTorch, OpenAI, Scikit-learn, NumPy, Pandas
- Miscellaneous: Linux Shell Scripting, Git/GitHub, Travis CI, Jekyll

RELEVENT WORK EXPERIENCE

UC Berkeley Computational Approaches to Human Learning Lab   **Berkeley, CA**
Software Developer   *Oct 2018 – Present*
- Integral part of developing an artificially intelligent course recommendation system offered school-wide
- Migrated CSS to SASS, condensing over 2000 lines of redundant code
- Developed a feature tour API and implement over key tools of the site
- Integrated Material-UI, the most popular React UI framework, onto the site
- Trained on agile project methodologies and CI/CD

Kumon North America, Inc.   **Palos Verdes, CA**
Tutor   *Jun 2016 – Jul 2017*
- Tutored 50+ students in math, literature, and grammar
- Trained and supervised a team of 10 tutors
- Maintained business records and preformed business accountancy

Cabrillo Marine Aquarium   **San Pedro, CA**
Researcher   *Sep 2015 – Mar 2017*
- Designed an award-winning experiment testing the effects of temperature on phytoplankton during the chlorination process
- Used quantitative analysis to conclude that temperature has no effect on the chlorination process

The Boeing Company   **El Segundo, CA**
Intern   *Jun 2016 – Aug 2016*
- Led 3 interns in developing an Excel and VBA project which streamlined the sale of proprietary software
- Directed 15 IT interns in creating a database holding hundreds of interns' information
- Present to corporate executives, detailing software development and proprietary software status

PROJECTS

Talis Lux
- Developed a program that streamlines and simulates the complex gameplay of "Tales from the Loop" using HTML, CSS, JavaScript, the Electron API, and node.js

Fishing Tour
- Created NPM module using CSS and JavaScript to assist web clients in understanding complex web features

- Currently used in over 100 Node.js based websites

Scheme Text Editor

- Wrote a text editor for the Scheme programming language, written in Java with JavaFX and FXMisc libraries