

Nick Pavlosky

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<https://neekthegiraffe.github.io> · <https://www.linkedin.com/in/nick-pavlosky/> · <https://github.com/NeekTheGiraffe/>

SKILLS

- **Languages:** JavaScript, TypeScript, C/C++, Python, Java
- **Web Frameworks:** Node.js, ReactJS, Firebase, ExpressJS, socket.io, Tailwind CSS
- **Tools:** Git, Heroku
- **Hardware:** Arduino, Bluetooth Low Energy

PROJECTS

Multiplayer Mancala App · <https://neekthegiraffe.github.io/mancala-stars/> July 2022 - August 2022

- Online multiplayer version of the Mancala board game with secure, responsive server using ExpressJS and socket.io
- Created simple backend server CD pipeline using Git and Heroku

Multiplayer Blackjack App · <https://neekthegiraffe.github.io/card-games/> May 2022 - July 2022

- Singleplayer or multiplayer Blackjack game that saves results of each game to a persistent Firebase database
- Social features such as Google authentication, global chat, searchable user profiles, and a follower system
- Developed clean single-page application using ReactJS and Tailwind CSS

Tier List Maker · <https://neekthegiraffe.github.io/tier-list-maker/> February 2022 - July 2022

- App that accepts URLs or a directory of images and allows the user to sort them into tiers
- Created original desktop app in Java and ported to web version using p5.js

Settlers of Catan Clone June 2021 - September 2021

- Locally-playable desktop version of the popular board game Catan, built with Java

EDUCATION

University of California, Los Angeles · *Los Angeles, CA* Expected June 2024

BS · Computer Science

- **GPA:** 4.0 / 4.0
- **Completed Coursework:** Data Structures & Algorithms, Software Construction, Computer Architecture
- **In-progress Coursework:** Discrete Math, Operating Systems

EXPERIENCE

Biomedical Engineering Society at UCLA · *Arduino & React Native Developer* September 2021 - June 2022

- Designed therapeutic glove with 11 other engineering students to correct movement of patients with movement disorders
- Created a companion app using React Native with 2 other developers, writing tutorials for non-developer team members to access app prototypes
- Connected glove to app using Arduino & Bluetooth Low Energy, forming a live data stream for app minigames

Arduino Engineer September 2020 - June 2021

- Built a pulse oximeter circuit using Arduino and graphed pulse using a Java framework
- Presented technical differences between using IR and visible photodiodes with 2 other engineering students
- Modeled a handheld pulse oximeter device using Autodesk Fusion360 and designed a PCB layout using Eagle

Learning Assistant Program at UCLA · *Chemistry Tutor* September 2021 - December 2021

- Fostered collaboration between 50+ students in general chemistry course over 10 weeks
- Created own final review worksheet with 6 exam-like questions and solution set to improve student preparedness
- Collaborated with 12 other tutors, TAs & professor to communicate feedback from students and improve pedagogy strategies, such as encouraging growth mindset

AWARDS

Best Overall Project & Best Presentation · *BioHack at UCLA* April 2021

- Conceptualized a mobile app that accounts for skin tone bias in pulse oximeters with 3 other engineering students
- Created dummy app demonstrating user progression using JavaScript