

# USMAN NAZ

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## EDUCATION

### University of California, Los Angeles

September 2016 – December 2020

B.A. Linguistics and Computer Science

- Relevant Coursework: Data Structures, Algorithms and Complexity, Software Construction, Programming Languages, Python with Applications, Artificial Intelligence, Discrete Mathematics, Linear Algebra
- Awards: *Chancellor's Service Award, UCLA Achievement Scholarship Recipient*

## SKILLS

Languages: C++, Javascript, Python, HTML, CSS, SQL

Technologies: React.js, React Native, Node.js, Express.js, Git, Linux, Visual Studio, Figma

## EXPERIENCE

### Minbar.io

Remote

Front End Engineering Intern – Mobile App

May 2021 – August 2021

- Implemented multi-page registration form in React Native and Typescript with Formik and Yup JS libraries.
- Built initial login system to connect with backend services and authenticate users.
- Engaged in bi-weekly Agile sprints with development team as the projects were designed, coded, reviewed, and released to potential stakeholders.
- Lead team meetings and worked closely with UX/UI Designer to discuss design mockups.

## PROJECTS

### Recipe Finder

Full Stack Web Application

- Created fully responsive website to search through 300,000+ recipes from integrated Spoonacular API based on ingredients from user input.
- Designed and built REST API to support users and user favorites with JSON Web Token Authentication.
- Utilized React.js, Postgresql, Node.js, Express.js, Heroku, Figma.

### ZombieDash

Command Line Video Game

- Developed Zombie Survival Game and implemented NPCs with randomized movement algorithms.
- Implemented in C++. Utilized Object Oriented Programming principles, STL, Data Structures.

### iLifts

Fitness App

- Built mobile app in React Native to log workouts and track exercise progression as free competitor to premium apps on iOS/Android marketplace.
- Managed app state and persisted data with MobX to enhance user experience.

### Gee-nomics

Genetic Data Search Tool

- Created program to search through and compare DNA of bacteria responsible for common illnesses.
- Implement 3 classes in C++ to maintain, search through, and identify matching DNA in library of genomes.
- Integrated 100+ unit tests via GoogleTest to quickly add new features and improve code reliability.

## LEADERSHIP EXPERIENCE

### Academic Mentorship Professional Development – UCLA

June 2019 – June 2020

Mentorship Director

- Guided 80+ first-year students by creating mentor/mentee pairs with upperclassmen to network.
- Organized quarterly academic and career networking events to improve mentor/mentee relationships.
- Lead team meetings to train mentors, create comprehensive guides for students, and discuss event planning.

### Mentors for Academic and Peer Support – UCLA

December 2017 – June 2019

Math and Science Academic Coordinator

- Planned weekly curriculum as additional material to complement 50+ middle and high school students' classwork in South LA underserved communities.
- Conducted weekly feedback meetings with volunteers and development head to maintain volunteer retention.