

Kevin Zhang

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<https://github.com/shukaiz>

Education

University of Illinois at Urbana-Champaign

Bachelor of Science in Computer Science, GPA: 3.81/4.00

Champaign, Illinois
September 2017 – May 2021

Relevant Coursework

Software Design Studio (Java, Python, JavaScript), Data Structures (C/C++), Data Science & Visualization (Python/JavaScript), Algorithms, Database Systems.

Skills

Programming: Java, JavaScript, C/C++, Python, R, C#, VB.NET, SQL.

Technologies: Mobile & Web Application Development (React, React Native), Flask (RESTful API), Linux, Git, AWS, Unity.

Experience

University of Illinois at Urbana-Champaign

Experiential Learning In Applied Statistics (ELIAS) Research Fellow

Champaign, Illinois
October 2019 - Present

- Conducts research and independent studies in statistical genomics and plant pathology with both computational statistical and traditional crop science components.
- Develop R packages to analyze quantitative genetics data by applying optimal statistical approaches.

University of Illinois at Urbana-Champaign

Undergraduate Teaching Assistant

Urbana, Illinois
January 2018 – May 2018

- Assisted in teaching of CS 125 Introduction to Computer Science course.
- Explained key programming concepts to students in lab sections and online discussion forum.
- Assisted the professor and graduate teaching assistants with the labs and hosted office hours.

Rainbow Education and Technologies Inc.

Founder

London, Ontario
September 2015 – June 2017

- Founded this company in junior year of high school.
- Designed and developed a mobile app to help students to find tutors in a more convenient way.
- Handled all corporate documents filings and prepared tax returns.

Selected Personal Projects

Mobile App Development: Personal Dashboard - <https://youtu.be/zWmXYIgPhbs> (demo)

- A work in progress app allows users to keep up to date on their favorite numbers. In a dashboard-like UI, users can add numbers they would like to track and they will be able to see real-time figures.
- Designed and implemented a responsive front-end user interface in React Native and integrated a web API using Python and Flask to fetch the data in the back-end.
- Conducted user experience researches and employed an iterative and incremental developmental approach.

Mobile App Development: App for GitHub - <https://github.com/shukaiz/github-app>

- Mobile application to manage GitHub projects and profile on portable devices.
- Utilized React Native for front-end development while interacts with GitHub's API and OAuth2 service.

Scientific/Statistical Programming: Demultiplex - <https://github.com/shukaiz/demultiplex>

- R script to read DNA sequence and extracts the barcodes and provides analysis.

Honors and Awards

Dean's Honor List

January 2018, January 2019, June 2019

- Awarded for grade-point average (GPA) in a semester ranking in the upper 20 percent.