# Kevin Zhang

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## Education

**University of Illinois at Urbana-Champaign**                    **Expected Graduation:** December 2021
B.S., Computer Science and Crop Sciences, GPA: 3.81/4.00
**Relevant Coursework:** Data Structures • Algorithms • Database Systems • Data Science & Visualization • Virtual Reality • Systems Programming • Software Design Studio

## Skills

**Programming:** Java, JavaScript, C/C++, Python, R, C#, VB.NET, SQL.
**Technologies:** Mobile & Web Application Development (React/React Native/Redux), Flask (RESTful API), MySQL, MongoDB, Linux, Git, AWS, Unity.

## Experience

**Shopee**                                                                                      Singapore
Incoming Software Engineer Intern (Mobile Apps Team)
- Postponed due to entry restrictions imposed by Singapore Government during COVID-19.

**University of Illinois at Urbana-Champaign**                                    Champaign, Illinois
Research Fellow, Advisor: Prof. Alex Lipka                                    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**                                    Urbana, Illinois
Undergraduate Teaching Assistant                                              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.**                                    London, Ontario
Founder                                                                        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.

## Selected Personal Projects

*Mobile App Development:* **Personal Dashboard** - https://youtu.be/zWmXYLgPhbs (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.

*Virtual Reality:* **Perdu** ("Lost") - https://github.com/shukaiz/Perdu
- Virtual reality group project game made for students to learn French language interactively.
- A quest-based game targeted for Oculus Go involving many different situations one might come across in France.

*Scientific/Statistical Programming:* **Demultiplex** - https://github.com/shukaiz/demultiplex
- R script to read DNA sequence and extracts the barcodes and provides analysis.