

Shirley Huang

808 West Illinois Street #35, Urbana, IL 61801
408-761-8308 | shuan102@illinois.edu

EDUCATION

University of Illinois: Urbana-Champaign, IL

2015-2018

Candidate for Bachelor of Science in Liberal Arts and Sciences

- Mathematics and Computer Science
- James Scholar Honor Student

Relevant Coursework

- **CS:** Numerical Analysis, Introduction to Algorithms & Models of Computation, Programming Studio, Data Structures, Discrete Structures
- **Math:** Probability Theory, Graph Theory, Elementary Real Analysis, Differential Equations, Applied Linear Algebra, Multivariable Calculus
- **Stat:** Advanced Data Science, Foundations of Data Science, Statistics and Probability

EXPERIENCE

ClassTranscribe | *Developer* | <https://github.com/cs-education/classTranscribe>

Jan 2017-present

- Collaborated with two students to improve a web-based transcription system for college lectures
- Developed user accounts with authentication and sessions by implementing signup and login features
- Communicated with redis database to store and retrieve user account information using node.js

Academia Sinica, Taipei, Taiwan | *Software Engineer Intern*

Jun-Aug 2017

- Worked with three other interns to design a beta version of LBeacon with new features
- Created tracking feature to store timestamps and MAC addresses of scanned devices
- Redesigned software with multithreading to improve performance

PROJECTS

Track My Team | <https://github.com/shirleyhuang93/track-my-team>

Nov 2017-present

- Created a web application tracking sport teams' profiles and information using Django
- Implemented user registration and authentication for captains and players to access teams
- Designed and built an interface for captains to post announcements, manage rosters, and create events

San Francisco Crime Classification | <https://github.com/shirleyhuang93/sf-crimes>

Oct-Dec 2017

- Analyzed a dataset with a 12 year span of crimes in San Francisco
- Worked with Pandas DataFrame to generate pivot tables and plot various types of data visualizations
- Made key observations on when and where most committed crimes took place

LEADERSHIP

Illinois Women's Ultimate | *Treasurer*

Aug 2016-present

- Managed team finances by submitting budgets, handling reimbursements, and tracking team funds
- Communicated with team captains about payment for tournament bids and hotels

SKILLS

Technical

Languages: Java, Python, C (proficient); C++, HTML/CSS, JavaScript, LaTeX (familiar); R, SQL (beginner)

Web Framework: Django (Python); node.js, React Native (JavaScript); Bootstrap (HTML/CSS)

Interests: Ultimate frisbee, basketball, softball, baking, photography