

# Shirley Huang

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## 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, ukulele