

# Kavi Ravuri

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| kravuri-2



| kavi-ravuri

## EDUCATION

**University of Illinois at Urbana-Champaign** - *B.S. Computer Science + Statistics*

August 2017 - May 2021

**Completed Coursework:** Discrete Structures, Software Design, Introduction to Computer Science, Data Analysis and Statistical Review, Computer Science Freshman Honors, Multivariable Calculus, Computer Architecture, Data Structures, Probability and Statistics I

**Current Coursework:** System Programming, Database Systems, Linear Algebra, Methods of Applied Statistics

## TECHNICAL SKILLS

**Languages:** Java, C++, C, MIPS, R, Python, Verilog, JavaScript, HTML/CSS, Golang

**Frameworks/Tools:** NumPy, Pandas, Flask (beginner), BeautifulSoup, GSON, IntelliJ, OpenGL, OpenFrameworks, Firebase (NoSQL), Vulture, Chart.js, Looker, Node.js, JUnit, CURL, CATCH, HTML, Git

## EXPERIENCE

**Plumdrop** - *Software Development Intern*

*New York City, NY*

- Designed a corporate customer web-backend for large groups utilizing DB development June 2018 - September 2018
- Developed a customer analysis application that provides feedback to major brands

**CS 196: Freshman Honors for Computer Science** - *Project Manager/Course Assistant*

*Champaign, IL*

- Assisted in weekly 2-hour Data Science sub-lectures August 2018 - PRESENT
- Aided and help facilitate in weekly lessons and help students in office hours
- Organized and facilitate a group of freshman to complete a project over a semester

**Reflections | Projections** - *Marketing Staff*

*Champaign, IL*

- Assisted in advertising biggest tech conference and ACM Symposium in the Midwest January 2018 - PRESENT
- Helped organize internal marketing outlets and event at the University of Illinois at Urbana-Champaign
- Collaborated in creating content marketable to several demographics

**HackIllinois** - *Outreach Staff*

*Champaign, IL*

- Aided the growth of the open source community through various events September 2017 - PRESENT
- Contacted and communicate with hundreds of companies interested in our events

## PROJECTS

### StockKey

- An openFrameworks-integrated application utilizing the Alpha Vantage API to get stock data given the ticker and producing an interactive data visualization
- Utilized an ARIMA-based data prediction library, the program predicts the price as well as general long term and short-term trend of a given stock

**XCram** Built at BoilerMake (Devpost: <https://devpost.com/software/x-cram>)

- A 7-day study plan designed to remove the procrastination and cram element in every student's studying habits
- Used a MongoDB data cluster connected to a local server we ran in order to convey user information to the Android application through backend OKHTTPS requests

### BackBeat

- A new take on metronomes to better visualize and facilitate an understanding for the musician about their recording as well as tempo inconsistencies
- Utilizing Essentia's open source python framework in order to first differentiate tempo in each measure of music and reports an accurate visualization to a JavaScript frontend

### HomEats

- A web application that connects local home cooks to hungry individuals so anyone can enjoy a home cooked meal wherever they are
- Utilizing the Google maps web API, we created a user interface through React.js and to retain user information we connected our project to Firebase database