

# Davis Keene

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## EDUCATION

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### UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN

#### Champaign, IL

*B.S. Statistics and Computer Science (May 2023)*

- **GPA:** 3.93 / 4.00 (**Dean's List**)
- **Relevant Coursework:** System Architecture, Data Structures, Discrete Structures, Software Design Studio, Numerical Methods, Applied Linear Algebra, Statistics & Probability (I & II), Joyful Kotlin, Multivariable Calculus
- **Extracurricular Activities:** Illinois Labs (**Co-Founder**), Founders: Illinois Entrepreneurs, ACM, SigPWNy, Tennis

## SKILLS

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- Programming Languages- Python, Java, Kotlin, C++, Javascript, Shell, HTML/CSS, SQL (Postgres, MySQL)
- Disciplines- Object Oriented Programming, Responsive Web Design, GNU/Linux, ROS, Predictive Modeling, REST
- Design- Unity 3D, SolidWorks, Fusion 360, Photoshop, Illustrator, Tableau
- Utilities- Git, Heroku, GCP, Firebase, AWS Ecosystem, Django, NumPy, Pandas, Matplotlib, OpenCV, Docker, React

## PROFESSIONAL EXPERIENCE

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### ILLINOIS LABS, Champaign, IL

*Co-Founder, Jan 2021 - Present*

- Co-created an organization dedicated to providing open source academic and productivity software for UIUC students.
- As software developers and designers, it is our mission to provide tools and services to the UIUC student body that will benefit the community; example projects in development include smart schedule generators and course review dashboards.

### JELLYFISH, Boston, MA

*Software Developer (Intern), May 2020 – January 2021*

- Worked with a small team of developers to create software that draws business insights from engineering signal data.
- As a generalist engineer, I contributed to both the frontend and backend stacks of the Jellyfish web application to handle nightly data refresh data ingestion, frontend module design, new feature research, and reactive bug fixes.

### ILLINOIS FOUNDERS, Champaign, IL

*Research and Development Lead, Dec 2020 - Present*

*Software Engineer (R&D), Sep 2019 – Dec 2020*

- As the R&D Team Lead, I am responsible for recruiting and managing a team of talented developers to create software that provides value to the UIUC startup community, and for organizing events like Forge and Startup Bootcamp.
- As a software engineer, I created the REST API that services a Job Board application for startups to find new hires.

### CS 125 @ ILLINOIS, Champaign, IL

*Course Developer, Dec 2020 – Present*

*Head CA, Jun 2020 – Dec 2020*

- As a course developer, I am developing quick java execution toolkits and chat support for course React components.
- As a Head CA, I led course development in CS 125, and helped struggling students by answering coursework questions.

### SENSE LABS INC., Cambridge, MA

*Data Science Intern, Jun 2018 - Sep 2018*

- Utilized Python data science tools to create advanced visualizations of home energy data consumption.
- Created and trained predictive models using machine learning algorithms to show how all Network Device Interfaces (devices that connect to the internet) affect idle load consumption in American households.

## AWARDS

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- RIT Computing Award, AP Scholar w/ Distinction, National Honor Society, UIUC Dean's List (All Semesters)
- 3rd Place: Mathworks MATLAB Coding Competition, Top 10%: Mathworks Math Modeling Challenge
- Speaker at High School Graduation Ceremony, FTC Robotics MA State Champions (2015)

## PROJECTS

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- KTeach: An online classroom to learn Kotlin. Grades uploaded Kotlin file submissions and tracks grade in class.
- Personify: A Spotify Music Recommendation Engine that can predict how likely you are to enjoy a Spotify track.