

# 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:** 3.91 / 4.00 (**Dean's List**)
- **Relevant Coursework:** Data Structures, Discrete Structures, Software Design Studio, Multivariable Calculus, Statistics & Probability (I & II), Joyful Kotlin, Freshman Honors CS, Introduction to CS
- **Extracurricular Activities:** Illinois Founders, Association for Computing Machinery (SigPWNy), Tennis

### NEEDHAM HIGH SCHOOL

#### Needham, MA

*High School Diploma (Jun 2019)*

- **GPA:** 4.74 / 5.00 (**High Honor Roll**)
- **Extracurricular Activities:** FTC Robotics Club (**Project Manager**), Programming Club (**Club Leader**), JV/Varsity Tennis (**Letter Recipient**), JV/Varsity Track & Field / Cross Country (**Letter Recipient**)

## 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, Tableau
- Utilities- Git, Heroku, GCP / Firebase, AWS, Django, NumPy, Pandas, Matplotlib, OpenCV, Docker, React

## PROFESSIONAL EXPERIENCE

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### CS 125 @ ILLINOIS, Champaign, IL

*Head CA & Course Developer, Jun 2020 - Present*

- Directing all internal course development asynchronously across multiple developers hired through the university.
- Developing educational tools and infrastructure to support a fully online Intro to CS course at UIUC for Fall 2020.

### JELLYFISH, Boston, MA

*Software Developer (Intern), May 2020 - Present*

- Working with a small team of developers to create software to draw business insights from engineering teams' data.
- Leading a research initiative to ingest file metadata from Git Pull Requests to create qualitative code insights.

### ILLINOIS FOUNDERS, Champaign, IL

*Software Engineer (R&D), Sep 2019 - Present*

- Developing software solutions and business utilities for startups at UIUC to achieve their maximum potential.
- Designed the REST API for Founders' StartupMatch Job Board, using Django's REST Framework and GCP.

### 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.
- Created and trained predictive models using machine learning algorithms to show how all Network Device Interfaces 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 (FA19, SP20)
- 3rd Place: MATLAB Coding Competition, Top 10%: Mathworks Math Modeling Challenge
- Speaker at High School Graduation Ceremony, FTC Robotics State Champions (2015)

## PROJECTS

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- KTeach: An online classroom to learn Kotlin. Developed with a Kotlin based backend and responsive JS frontend.
- StartupMatch: Developed the REST API to a React web application for UIUC small businesses to post job listings.
- Poke: SaaS to increase social media engagement within organizations at UIUC.
- Chitter: Client and server side support for React chat components. To be used within CS 125 @ Illinois.