

# 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:** 3.86 / 4.00 (**Dean's List**)
- **Relevant Coursework:** Math 241 (Multivariable Calculus), CS 173 (Discrete Structures), CS 126 (Software Design Studio), Math 415 (Applied Linear Algebra), CS 196 (Honors CS), Stat 400 (Statistics & Probability).
- **Extracurricular Activities:** Association for Computing Machinery (ACM), SigPWNy & SigAI, Illinois Founders

### 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**), Varsity Track & Field / Cross Country (**Letter Recipient**)

## SKILLS

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- Programming Languages- Python, Java, C++, Kotlin, JavaScript, Bash/Shell, HTML/CSS, MATLAB, SQL
- Disciplines- Object Oriented Programming, GNU/Linux, ROS, Predictive Modeling, REST
- Design- Unity 3D, SolidWorks, Fusion 360, UI/UX, Photoshop
- Utilities- Git, Heroku, GCP, AWS, Django, NumPy, Pandas, Matplotlib, OpenCV

## PROFESSIONAL EXPERIENCE

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### Jellyfish Inc., Boston, MA

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

- Creating software to help grow startups in the Greater Boston Area.
- Leveraging insights from version control and productivity apps to align work with business priorities.

### 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 predictive models using multiple regression and Pandas Dataframes to show how Network Device Interfaces affect idle load consumption.

### TROPIC SPINS YO-YO COMPANY, Needham, MA

*Co-Founder, Jan 2014 - Jan 2018*

- Co-Founded Tropic Spins to provide yo-yo hobby enthusiasts with new and innovative yo-yo designs.
- Learned Computer Aided Design (CAD) to bring my ideas to life, and sponsored multiple state yo-yo competitions.

## AWARDS

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- RIT Computing Award, Earl J. Handly Memorial Scholarship, AP Scholar w/ Distinction, National Honor Society
- 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: A React web application for UIUC small businesses to post job listings.
- NFLearning: An NFL Game Predictor using Machine Learning. Current Real-Game Accuracy: 67.5%.
- Doccy: Slack Documentation Bot for Productivity, written in Python and running on Heroku.