Davis Keene

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EDUCATION

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:** Discrete Structures, Software Design Studio, Multivariable Calculus, Applied Linear Algebra, Statistics & Probability, Joyful Kotlin.
- **Extracurricular Activities:** Association for Computing Machinery (ACM), SigPWNY & SigAI, Tennis, Climbing

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

- Programming Languages- Python, Java, C++, Kotlin, Javascript / Typescript, Shell, SQL (Postgres)
- 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, AWS, Django, NumPy, Pandas, MatPlotLib, OpenCV, Docker, React

PROFESSIONAL EXPERIENCE

CS 125 @ ILLINOIS, Champaign, IL
Course Developer, June 2020 - Present
- Developing educational tools and infrastructure to support a fully online Intro to CS course at UIUC for Fall 2020.
- Building a Chat site feature (Chitter) to strengthen the communication between students and course staff.

JELLYFISH, Boston, MA
Software Developer (Intern), May 2020 - Present
- Joined a small team of software engineers to align engineering work with business priorities.
- Leading a research initiative to gain qualitative code insights from GitHub file metadata ingestion.

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.

AWARDS

- 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

- 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: A chat-based React component used by the CS 125 course website to improve online communication.