Davis Keene

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EDUCATION

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, Founders: Illinois Entrepreneurs, ACM, SigPWNY, Tennis

SKILLS

- 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

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 – Jan 2021
- Worked with a small team of developers to create software that draws business insights from engineering signal data.
- As a full stack developer, 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.

FOUNDERS: ILLINOIS ENTREPRENEURS, Champaign, IL
Research and Development Lead, Dec 2020 - Present
- 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.

Software Engineer (R&D), Sep 2019 – Dec 2020
- 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
- Developing quick java execution toolkits and server / client support for course website React chat components.

Head CA, Jun 2020 – Dec 2020
- Appointed to lead course development as a Head CA and to help Intro to CS 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

- 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

- 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.