

# Addison C. Kline

Darien, CT 06820

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## Summary

Third-year student at Washington University in St. Louis with hands-on experience in programming and data analysis. Diligent worker, effective problem solver, and clear communicator. References available upon request.

## Education

**Washington University in St. Louis - McKelvey School of Engineering | St. Louis, MO** Aug 2021 - May 2025

- B.S. in Computer Science & Mathematics with a minor in Applied Economics (expected)
- 3.6 GPA, Dean's List for Fall 2021 and Spring 2022
- Relevant coursework: Object-Oriented Software Development, Data Structures & Algorithms, Intro. to Cryptography, Linear Algebra, Probability and Statistics for Engineering, Linear Statistical Models, Intermediate Microeconomic Theory
- Clubs: WashU Sports Analytics (president), WashU Weather (treasurer)

**King School | Stamford, CT** Sep 2017 - Jun 2021

- 4.5 GPA (weighted), King Scholar, Cum Laude Society, Computer Science Prize, Chemistry Prize
- Clubs: Programming Club (co-founder/president), King Quiz Bowl (co-founder/captain), King Honor Committee (founding member), Varsity Squash

## Work Experience

**Data Analyst Intern - Stephen Tyng Mather Homestead | Darien, CT** Jan 2024 - Present

- Utilized machine learning libraries to develop models for predicting future donor behavior and targeting potential donors
- Evaluated data from survey of members to synthesize new program ideas
- Generated graphs and figures for 2023 donation data, which were presented to board of directors in annual giving meeting

**Employee - Stephen Tyng Mather Homestead | Darien, CT** May 2023 - Present

- Optimized 18th-century historic site's website for search engines by improving use of meta tags and enhancing site usability
- Fully digitized and published homestead's collection online with a total appraised value in excess of \$200,000
- Aided in planning and setup for public events such as fundraisers and guest speakers, promoting community involvement and education

**Teaching Assistant - Washington University in St. Louis | St. Louis, MO** Aug 2022 - May 2023

- Assisted with instruction in three CSE 240 (Logic & Discrete Mathematics) classes of over 490 total students
- Provided individualized feedback on exams and weekly assignments
- Offered TA hours twice per week to help students with assignments and ensure understanding of course material

**Teaching Assistant - King School Summer Institute | Stamford, CT** Jun 2021 - Jul 2022

- Created keys for daily homework assignments and weekly assessments in Geometry and Pre-Calculus
- Graded student work and added individualized comments to explain areas of improvement
- Held office hours outside of class to assist students with their work

## Programming Experience

**Founder, Developer, and Lead Writer - Baseball Analytica | baseball-analytica.com** Jan 2021 - present

- Lead a multi-writer team on a sabermetrics website built from scratch using JavaScript (including Vue), HTML, and CSS
- Developed in-house leaderboards and projection models (Family of Optimized Expectations for the Year) automatically updated daily
- Gained familiarity with AWS features like Boto3, S3, CloudFront, and Route 53 to host site
- Broaden site's reach through a dedicated Twitter account

**Lead Developer - Triangulum | github.com/addisonkline/triangulum** Mar 2023 - present

- Created a climate normals estimator for locations throughout continental U.S. employing Python (including pandas and numpy) to scrape online climate data from over 6000 weather stations and calculate weighted averages of nearest ones
- Incorporate nearest neighbor analysis, REST API elevation data from USGS, and temperature lapse rates

## Skills & Interests

**Technical:** Java, Python (pandas, numpy, scipy, Jupyter), C++, APIs, Excel, AWS, HTML, JavaScript (Vue), CSS

**Interests:** Sports, Meteorology/Climatology, Geography, Trivia, Mathematics, Cards, Smooth Jazz