

# Sam Aldeguer

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## Education

### UNIVERSITY OF KANSAS, LAWRENCE, KS

Bachelor of Science in Computer Science, Minor in Business, Expected May 2024

GPA: 3.89/4.0

## Work Experience

### SOFTWARE ENGINEER INTERN | GARMIN INTERNATIONAL | MAY 2023 – AUGUST 2023

- Developed a new feature for the Forerunner 965 using the SQLite3 C API
- Coded in C++ and C to resolve issues with the Garmin Forerunner watches
- Utilized Git, Jira, and Gerrit to manage tickets and changes in the codebase

### WEB DEVELOPER | UNIVERSITY OF KANSAS | JANUARY 2022 – FEBRUARY 2023

- Built and edited websites owned by the University of Kansas
- Communicated with clients to resolve web development problems and requests

### HEAD DIVE COACH | COUNTRY CLUB OF LEAWOOD | JUNE 2021 – JULY 2022

- Collaborated with other coaches to lead daily practices and weekly competitions throughout the summer
- Instructed over 90 children on diving; provided advice to children from ages 5 to 18
- Interacted with parents to discuss their athlete's progress in the sport

## Skills

- Proficient in C++, C, Python, JavaScript, HTML, CSS, and SQL. Familiar with Java, PHP, and Haskell.

## Leadership & Involvement

### PRESIDENT | UPSILON PI EPSILON COMPUTER SCIENCE HONOR SOCIETY | MAY 2023 – PRESENT

- Lead biweekly meetings that are about the Computer Science industry and news in the organization
- Plan and organize events alongside an executive team for members of the honor society

### PLEDGE MARSHAL | THETA TAU PROFESSIONAL ENGINEERING FRATERNITY | MAY 2023 – PRESENT

- Lead weekly meetings for Potential New Members that are about chapter education and the rushing process
- Administer rushing requirements and oversee the progress of 31 PNMs throughout the semester

### WEB CHAIR | THETA TAU PROFESSIONAL ENGINEERING FRATERNITY | JANUARY 2022 – MAY 2022

- Developed a new website for the fraternity, which is located at [kuthetatau.org](http://kuthetatau.org)

## Awards & Accomplishments

- Upsilon Pi Epsilon Underclassman Achievement Award
  - Awarded for receiving a top 3 grade in Programming II, a class on C++ programming
- Florence Montgomery Memorial Scholarship
- University of Kansas Chancellor and School of Engineering Scholarships

## Programming Projects (more information on [samaldeguer.com](http://samaldeguer.com))

- CCSAKC Dive Meet Simulator (C++, HTML, CSS, and JavaScript)
- Predictive Return on Investment Model (Python, HTML, CSS, and JavaScript)
- Cipher Center (C++)
- University of Kansas Quarantine Calculator (HTML, CSS, JavaScript)