Wesley Deklich

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EDUCATION

Stanford University   **Exp. Graduation: June 2024**

- *B.S. Computer Science, Economics*, **GPA:** 4.0

- **Coursework:** Programming Abstractions, Mathematical Foundations of Computing, Computer Systems (Winter '21)

Saratoga High School, dual enrolled at San Jose State University

- **GPA:** 4.0, **SAT:** 1600

- **Coursework:** Data Structures, AP CS, Discrete Math, Linear Algebra, Multivariable Calc, Differential Equations, AP Statistics

WORK EXPERIENCE

Undergraduate Researcher | Stanford University   **June 2021 - Present**

- Advised by David Mazières in the Secure Computer Systems group; building Karl, a framework enhancing IoT device security

- Revamped node rendering on the Karl UI web application, built and deployed official Karl website on Stanford domain

- Implemented RAPPOR-based differential privacy module using Rust to allow users to anonymize their statistics

Research Intern | The Wharton School   **June 2020 - Sept 2020**

- Scraped and cleaned gigabytes of M&A data from the SEC using Selenium, NumPy, and pandas Python libraries

- Constructed multiple regression model optimizing taxation on entrepreneurs using the statsmodels Python library

- Worked under Boettner Chair Professor Kent Smetters; helped onboard incoming research assistant

Student Leader Intern | Bank of America   **June 2020 - July 2020**

- Launched aggregated database used by 200+ users to manage LifeMoves's 13 homeless shelter branches

- Collaborated with Bank of America Market President to allocate $400,000 in Neighborhood Builders grants

- Work was featured in the San Jose Mercury News

PROJECTS

- **Refood:** Web-app (React/Firebase) that allows grocers to host events reselling imperfect food to value-conscious consumers

- **AllerSight:** Built Flutter app to detect user-inputted allergens on a food ingredient labels using Google ML Kit

- **ZipScan:** Worked with school district to build Flutter app for signing students into classes and clubs by scanning a QR code

SKILLS

- **Languages:** Java, Python, JavaScript

- **Technologies:** React JS, Firebase, Selenium, NumPy, BeautifulSoup, statsmodels, pandas

LEADERSHIP

Co-founder and Chairman | Youth Economics Initiative (theyei.org)   **Mar 2019 - Present**

- 501(c)(3) nonprofit providing pathways for aspiring economists; largest coalition of economics clubs in the world

- Lead and manage 45+ staff, clubs in 60+ schools, and 2,500+ active members

- Organize some of the largest international economics competitions and events with over 1,200 total attendees

- Partnered with Bank of America to develop the FLIP program providing free financial literacy resources to underserved youth

- Work with advisory board consisting of Dean Emeritus of Columbia Business School, Exec. Director of FTE, and NYU faculty

Founder and President | DeltaX Academy   **Mar 2018 - June 2021**

- 501(c)(3) nonprofit that raises money teaching computer science classes and uses the funds to organize volunteer projects

- Led and trained team of 21 volunteers to teach 15 classes with 250+ total students, ultimately raising over $13,000

- Partnered with the Boys and Girls Club to teach free year-long computer science course for 30 underserved youth

- Co-Executive Director of DeltaX Hacks; led team of 10 people to organize a two-day hackathon; raised over $25,000 in sponsorship funding; organized 4 workshops featuring entrepreneurs and industry leaders

- Donated and distributed 48 laptops to youth who lacked the technology to access online education during pandemic

Team Captain | TSA TEAMS Engineering Competition   **Aug 2018 - April 2020**

- Organized practices for 7-person team teaching engineering principles; led team to place 6th in CA and qualify for Nationals

AWARDS & HONORS

- USA Computing Olympiad Gold

- 3x Hackathon Winner

- USA Physics Olympiad Semifinalist

- Eagle Scout