

Julian Faust

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EDUCATION

University of California, Berkeley – Sophomore

Bachelor of Science in Electrical Engineering and Computer Science (EECS)

Graduation May 2022

Major GPA: 3.81/ Overall GPA: 3.74

Past Coursework: *Real Analysis (Honors), Efficient Algorithms and Intractable Problems, Data Structures, Machine Structures, Discrete Math and Probability, Multivariate Calculus, Linear Algebra*

Current Coursework: *Introduction to Machine Learning, Probability and Random Processes, Optimization Models and Applications*

Test Scores: SAT (1560 – Math 800, Verbal 760), SAT Math II (800), SAT Chemistry (800), SAT French (800)

EXPERIENCE

UC Berkeley, Psychology Department – Computational Modeling of Child Language

Research Assistant

Berkeley, CA

September 2019 - Present

- Currently in year long research position which will include all facets of research process
- Includes computational analysis of child speech, cross-linguistic corpora, and historical corpora, collecting data in the field, and reading theoretical and empirical papers.
- Role includes using natural language processing and other methods to code the resulting data for analysis

Phi Kappa Tau, Nu Chapter

Treasurer

Berkeley, CA

November 2019 – Present

- Elected to manage \$100K yearly budget and organizational expenses of chapter with ~65 active members
- Organizing distribution of funds to councils within chapter including philanthropy, community outreach, social committee
- Leading several major changes including transition to third-party dues payment system, organization of house-wide meal plan, creation of a reserve fund, and introduction of several measures to increase financial transparency

UC Berkeley Student Learning Center

Mathematics Drop-In Tutor

Berkeley, CA

July 2019 – September 2019

- Worked as a mathematics tutor for Berkeley students taking Math 32 and Math 96 (precalculus)
- Provided assistance for students as a tutor for 8 hours per week
- Attended weekly training sessions on teaching mathematics to college students

UC Berkeley Electrical Engineering and Computer Science Department

Lab Assistant

Berkeley, CA

July 2019 – September 2019

- Worked 8+ hours per week as a lab assistant for CS61BL (Data Structures)
- Provided help for students in lab and assisted TAs
- Prepared for each lab by writing code to pass autograder

Holland Bloorview Rehabilitation Hospital

Volunteer

Toronto, ON

June 2017 – August 2018

- Volunteered 120+ hours over the course of two years in music therapy and therapeutic recreation with disabled clients
- Worked one-to-one with disabled youth on life skills activities, including discussion, role-playing, and problem-solving
- Taught musical instruments to clients, helping develop social, communication and motor skills

SKILLS & INTERESTS

- **Languages:** Fluent in English (native speaker) & French (second language)
- **Technical:** Java, Python, C, Jupyter Notebook, Scheme, SQL, HTML, Excel

AWARDS

- UC Berkeley Dean's List (Spring 2019), Varsity Athlete of the Year (runner-up), Anthony Chan Award for Music, Michael A. Pincus Award for Mathematics, Senior Athletic Letter, Top 125 in Canada for Avogadro Chemistry Competition