**Julian Faust**

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**EDUCATION**

**University of California, Berkeley – Sophomore** **Graduation May 2022**

*Bachelor of Science in Electrical Engineering and Computer Science (EECS)* **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 Berkeley, CA**

*Research Assistant* 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 Berkeley, CA**

*Treasurer* 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 Berkeley, CA**

*Mathematics Drop-In Tutor* 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 DepartmentBerkeley, CA**

*Lab Assistant* 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 Toronto, ON**

*Volunteer* 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