

Maxime Kawawa-Beaudan

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| CONTACT | 2423 Blake Street, Apt. 305 Berkeley, CA 94704 | maximejkb@berkeley.edu linkedin.com/in/maximejkb/ |
| EDUCATION | University of California, Berkeley , Berkeley, CA <i>B.A. in Computer Science, Minor in Creative Writing, GPA: 3.88/4.00</i> <ul style="list-style-type: none"> Coursework: Machine Learning, AI, Probability Theory, Stochastic Processes, Discrete Math, Efficient Algorithms, Convex Optimization, Computer Architecture, Linear Algebra, Data Structures Dean's List (Top 4%) – Fall 2017 Redwood High School , Larkspur, CA <i>High School Diploma, GPA: 4.36/4.00, SAT: 1530/1600</i> <ul style="list-style-type: none"> Placed first in 2015 San Francisco Bay Area Science Fair; went on to California State Science Fair. AP Scholar with Honors; National Merit Commended Scholar; Varsity Swimming Stanford Online High School , Stanford, CA <i>Education Program for Gifted Youth (EPGY)</i> <ul style="list-style-type: none"> Enrolled in advanced rhetoric, literature, and philosophy courses after exhausting options at Redwood High School. | Aug. 2017 - May 2021 Aug. 2013 - Jun. 2017 Aug. 2015 - Jun. 2017 |
| PROFESSIONAL EXPERIENCE | Berkeley Artificial Intelligence Research , Berkeley, CA <i>Undergraduate Researcher</i> <ul style="list-style-type: none"> Investigating deep learning methods for image compression in the Video and Image Processing Lab. Focusing on compression for consumption by other vision tasks (particularly recognition algorithms). Salesforce, Inc. , San Francisco, CA <i>Software Developer Intern</i> <ul style="list-style-type: none"> Worked on scalable machine learning with the data science team for Salesforce's AI group, Einstein. Researched anomaly detection for streaming data to identify actionable irregularities for clients. Derived a novel approach combining density-based filtering with known methods to address application-specific failure modes like imprecision and over-detection due to noise. Tackled problems regarding scale – clients being large and numerous enterprises with heavy data demands – with Scala and Apache Spark running on AWS clusters. Dahlia Lights , Millbrae, CA <i>Software Developer Intern</i> <ul style="list-style-type: none"> Worked as fifth employee at a startup developing AI-powered home control systems. Implemented an entirely new back end for automated data collection on Google Cloud Platform. Implemented server-side data analysis using Google Cloud SQL to characterize user habits. Refactored 80% of client-side code base to offload expensive computations to the company's iPhone app, improve general responsiveness, and adopt a cleaner object-oriented structure. | Apr. 2020 - Present Jun. 2019 - Aug. 2019 May 2018 - Aug. 2018 |
| LEADERSHIP EXPERIENCE | Published Author , Berkeley, CA <i>Author of 50+ short stories</i> <ul style="list-style-type: none"> Published the short story "Waiting for Fireworks" in <i>Glimmer Train</i> literary journal (a journal which publishes 40 stories out of 40,000+ submissions per year). Published the accompanying essay "A Constitution for a Young Artist" in the same issue (Fall 2018). Placed first in <i>Glimmer Train</i> Short Story for New Writers contest, claiming \$3,000 purse (2017). Finalist in the National YoungArts Foundation talent contest (2017). Studied in week-long master classes from renowned authors. Awarded a \$3,000 merit-based grant to fund further work. Introduction to Teaching Computer Science , Berkeley, CA <i>Peer Tutor</i> <ul style="list-style-type: none"> Provided one-on-one instruction for 20+ students enrolled in introductory computer science courses, including CS61A (computer programs) and CS61B (data structures). Other: • Berkeley Fiction Review - <i>Manuscript Reader</i> | Aug. 2014 - Present Aug. 2018 - Dec. 2018 Aug. 2017 - Dec. 2017 |
| SKILLS | Experienced In: Python, Java, SQL, C, Scala, Spark Languages: English (native), French (fluent) | |