Rachel De Jaen

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EDUCATION

University of California, Berkeley   **Expected May 2021**
B.A. of Computer Science, B.A. of Spanish (concentration: Hispanic Linguistics)
University of Washington, Seattle, WA - *UWHS Non-Matriculated Student*   **Fall 2015 - Spring 2016**
Relevant Coursework *(in progress)*: Intro to Programming, Data Structures and Algorithms, Computer Science Pedagogy, Hispanic Linguistics, Discrete Math and Probability Theory, Linear Algebra and Circuit Design, *Machine Structures, Efficient Algorithms, Socio-/Psycholinguistic Approaches to Bilingualism, Foreign Language Acquisition*

EXPERIENCE

Incoming Software Development Engineer Intern for Apptio - Seattle, WA   **May 2019 - August 2019**
IT & Data Management Assistant - Berkeley, CA   **July 2018 - Present**
Worked under supervision of Dr. Mary West, PhD, in the CIRM/QB3 Shared Stem Cell Facility and Dr. Christopher Noel, PhD, in the High-Throughput Screening Facility
- Maintained a network of 30+ workstations and microscopes; ran updates and handled server failures
- Onboarded researchers on remote access to IncuCyte ZOOM and Columbus image analysis software
- Developed a script to identify lost data within a large database after a server failure
- Ensured datasets were accessible across network connections and visible through MetaXpress
- Currently working on an essential method of batch exporting OME-TIFF files to third-party analysis software

CS 61A Course Staff - Berkeley, CA   **January 2018 - Present**
400+ hours teaching as a Course Staff Tutor, One-on-One Tutor, and Academic Intern for UC Berkeley's intro CS course
- Held weekly group tutoring sections, graded assignments, proctored exams, and held review sessions
- Created individualized lesson plans for each section including short lectures and original practice problems
- Currently developing a series of conceptual guides (rdejaen.github.io) for students in the course
- One of four out of 350+ students to receive the Outstanding Academic Intern Award for demonstrating significant student impact during the Spring 2018 semester

Dell EMC Isilon Extern - Seattle, WA   **January 2018**
Extern at Dell Emerging Technologies in Seattle, WA
- Shadowed Bruce Cronquist, a Learning Development Professional, and learned about the technical training of engineers and developers within a growing multinational industry

Eastlake Bar & Grill - Seattle, WA   **Summer, Winter 2017**
Host and Busser
- Seated customers, cleaned tables, brought food out to customers, and reset tables for the next service
- Reduced restaurant labor costs by taking on multiple roles while still maintaining customer satisfaction

University of Washington Medical Center - Seattle, WA   **Summer 2016, 2017**
120+ hours as a Student Volunteer
- Transported patients between clinics, rounded up wheelchairs, and delivered specimens to laboratories
- Increased efficiency throughout the hospital by being adaptable and coordinating with other volunteers

PROJECTS

documentation.cs61a.org *(private repo)*   **Fall 2018**
- Built a central site to publish documentation on all the software developed for CS 61A
- Allows other CS courses at UC Berkeley and other universities to access and learn about our software

rdejaen.github.io *(rdejaen.github.io)*   **Summer 2018**
- Self-taught HTML and CSS to build a static personal website for organizing the resources and supplemental materials I've developed for students in CS 61A

Bear Maps *(private repo)*   **April 2018**
- Implemented the backend of a web mapping application which lets users find the shortest path between two locations in Berkeley, CA using data from OpenStreetMap
- Considered efficiency benefits of different data structures and graph search algorithms

SKILLS AND INTERESTS

Computer Languages and Skills (Proficient/*Familiar)*: Java, Python, C, Git/GitHub, Scheme, Java/C Unit Testing, *SQL, LaTeX, Vim, HTML, CSS*
Languages: English (native), Spanish (working proficiency)
Interests: Education, computational biology, linguistic science, software development, community service