# Daniel A. Duazo

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danielduazo.github.io

## Education

**University of California, Berkeley** — Berkeley, CA

B.A. Computer Science; GPA: 3.335 — May 2018

- Relevant Coursework: The Structure and Interpretation of Computer Programs, Data Structures, Computer Architecture, Efficient Algorithms and Intractable Problems, Discrete Math and Probability Theory, Calculus, Linear Algebra & Differential Equations, Economics

## Experience

**UC Berkeley Dept. of Electrical Engineering & Computer Science** — Berkeley, CA

Academic Intern — Jan 2015 – present

- Assisted the Computer Science 10 (Jan 2015 – May 2015) and Computer Science 61A (Aug 2015 – present) course staff
- Attended to students' questions regarding elementary computer science theory and concepts (CS10, CS61A)
- Proctored reading quizzes and in-lab examinations (CS10)
- Reviewed and contributed to the improvement of course materials released to students biweekly (CS10)
- Worked in collaboration with the TAs and other academic interns to answer questions during office hours (CS61A)

**University of California Athletics Department** — Berkeley, CA

Sports Medicine Intern — Aug 2015 – present

- Worked under the supervision of team physicians and athletic training staff to provide modern training, progressive treatment and rehabilitative care to student-atheletes – specifically to players on the men's basketball team

## Skills

**Programming Languages** Java, Python, C, Scheme/LISP, SQLite

**Web Development** HTTP/CSS, Bootstrap

**Tools** Git, Eclipse IDE, LaTeX, Adobe Photoshop, Adobe InDesign

**Spoken Languages** Basic understanding of Spanish and Tagalog (Filipino)

## Projects

**Gitlet (Java)** Implemented a version-control system similar to Git capable of committing, branching, and merging.

**Lines of Action (Java)** Created an AI that uses game trees and alpha-beta pruning to play the board game Lines of Action. The AI is capable of making legal moves and can find forced wins within a small number of moves.

**DB61B (Java)** Implemented a miniature relational database management system (DBMS) that stores tables of data. The system included a very simple query language (Backus-Naur Form) for extracting information from these tables.

**Scheme Interpreter (Python)** Developed and implemented an interpreter for Scheme, a dialect of Lisp.

## Campus Activities

**Theta Delta Chi Fraternity** Participated in philanthropy events throughout my time as a brother, mainly with Autism Speaks U. Assisted in the planning and organization of several annual events including the Autism Speaks U 5K Walk/Run and the TDX House of Horrors.

**The Science of Wellness Magazine** Created templates and laid out articles for print using Adobe InDesign and Adobe Photoshop.