Maxime **Berenshteyn**

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Education

University of California, Berkeley *August 2018 – May 2022*
B.A., Computer Science Cumulative GPA: 3.7

- **Coursework:** Algorithms & Intractable Problems, Introduction to Database Systems, Machine Structures, Data Structures, Discrete Mathematics
- **Current (Fall 2020):** Computer Security, Artificial Intelligence, Cloud Computing and SaaS

Experience

International Computer Science Institute Berkeley, CA
Research Assistant, Vision Group *March 2020 – July 2020*

- Implemented preliminary convolutional neural network (CNN)-based model for open-set image recognition in Python via PyTorch
- Augmented open-set recognition model following principles of RotationNet model, analyzing additional transformations of images to optimize for open-set recognition and categorization

Pioneers in Engineering Berkeley, CA
Software Engineer, Runtime Team *September 2019 – Present*

- Overhauled voltage-monitoring firmware for Arduino-driven robot sensors in C++ used to provide computer science education and competition opportunities for low-income Bay Area students
- Redesigned core robot sensor and communication systems with 8-man team and project manager in formal development environment

UC Berkeley IT Client Services Berkeley, CA
Project Technology Consultant *February 2019 – Present*

- Configured and deployed 150+ new computers to UC Berkeley staff to bring campus up to modern technological and security standards
- Trained and mentored new student hires and collaborated with manager to reduce onboarding time for new employees

UC Berkeley EECS Department Berkeley, CA
Academic Intern *August 2019 – December 2019*

- Co-instructed 30+ students in lab sections of UC Berkeley's Data Structures course with tutoring and project assistance to develop understanding of fundamental data structures concepts
- Coordinated with supervising teaching assistant and other academic interns to develop an instructional plan based on student needs

Projects

MOOCBase DBMS *January 2020 – May 2020*

- Built a multipurpose SQL-compatible database management system in Java with concurrency control and recovery systems

Linear Algebra Calculator *November 2018 – July 2019*

- Implemented a linear algebra and vector math calculator in Python backed by PyTest library, practicing test-driven development to ensure accuracy of results

Skills

- **Languages:** Python · Java · PostgreSQL · C · C++ · HTML/CSS
- **Other:** Git · PyTorch · MongoDB · Bash · IntelliJ · Visual Studio Code