A N D R E W   C H E N

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S K I L L S

- Languages: Java, Python, Ruby, JavaScript, SQL, HTML/CSS, C++, and Scheme
- Technologies: Ruby on Rails, Bootstrap, Git, Docker

E D U C A T I O N

University of California - Berkeley　　　　　　　　　　　　　　　Expected Graduation May 2022

Bachelor's in Computer Science, GPA: 4.0　　　　　　　　　　　　　　　　　　　*Berkeley, California*

- Coursework: Data Structures & Algorithms, Structure and Interpretation of Computer Programs, and Foundations of Data Science
- Current: Database Systems, Discrete Mathematics & Probability Theory, and Linear Algebra & Differential Equations

E X P E R I E N C E

Research Apprentice　　　　　　　　　　　　　　　　　　　　　　Feb. 2020 – Present

Goodly Labs　　　　　　　　　　　　　　　　　　　　　　　　　　　　*Berkeley, California*

- Use Python, JavaScript, HTML, and CSS to develop software for a national-scale data science project
- Work on Public Editor, a technology to assess the credibly of news and quality of information

Software Developer　　　　　　　　　　　　　　　　　　　　　　　Jan. 2020 – Present

UC Berkeley EECS Department　　　　　　　　　　　　　　　　　　　　*Berkeley, California*

- Part of the development team for course websites and internal software
- Contribute to large projects including a grading tool used by thousands of students and teachers

Academic Intern　　　　　　　　　　　　　　　　　　　　　　　　Sept. 2019 – Present

UC Berkeley EECS Department　　　　　　　　　　　　　　　　　　　　*Berkeley, California*

- Teach Data Structures and Algorithms in Java in 10 to 20 student sized labs
- Communicate topics such as regex, graph algorithms, and dynamic programming
- Previously helped teach Python, SQL, and Scheme

P R O J E C T S

Sketch | *JavaScript and HTML/CSS*　　　　　　　　　　　　　　　　　　Jan. 2020

- Created a clean and user-friendly website with functionality similar to Microsoft Paint
- Enabled painting and shading on a resizable canvas and saving

Git | *Java*　　　　　　　　　　　　　　　　　　　　　　　　　　　　Dec. 2019

- Reinforced version-control skills by building a simplified version of Git
- Implemented Git features including conflict resolution, *merge*, *checkout,* and *branch*
- Organized development by writing a detailed technical specification and systematic automatic tests
- Strengthened concepts on serialization, Git internals, file I/O, and hashing on an intimate level

Social Network | *Ruby on Rails, SQLite, and HTML/CSS*　　　　　　　　　Dec. 2019

- Collaboratively created a social media website with partners using Git and Github
- Implemented models, views, controllers, and CRUD operations for posts, messages, and comments
- Designed front-end with HTML/CSS and Bootstrap using appropriate color pallets to improve the appearance and visibility

Cipher Machine | *Java*　　　　　　　　　　　　　　　　　　　　　　Oct. 2019

- Built a reciprocal cipher with more than 1.5e+20 possible configurations that can encode and decode text
- Emphasized test-driven development with JUnit, clean style, documentation, and error handling