

EDUCATION

Santa Cruz, CA	University of California, Santa Cruz	September 2016 - June 2020
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- B.S. in Computer Science, June 2020 (expected). GPA: 3.4
- 3x Dean's Honor's List Recipient (Spring 2017, Winter 2018, Spring 2019)
- Undergraduate Coursework: Data Structures; Algorithms; Mobile Applications; Web Apps; Computer Architecture

PERSONAL PROJECTS

https://ryanng.info/projects/EasyLiving	EasyLiving	Android Studio, Java, Google Firebase
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Developed an Android App that allows users to assign chores, split responsibilities and send messages to each other in order to keep the group's household tidy

- Implemented the back-end storage and user authentication with Google's Firebase Realtime Database
- Developed the client-side using the Android Studio development environment, and implemented calls to the Firebase servers to ensure data is synchronized among all users

https://ryanng.info/projects/SecretSantaApp	Secret Santa	Android Studio, Java, XML, Google Firebase
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Developed an Android App that allows users to play the popular "Secret Santa" game with a group of others at holiday parties and events

- Implemented the back-end storage and user authentication with Google's Firebase Cloud Firestore no-SQL Database
- Developed the client-side using the Android Studio development environment, and implemented calls to the Firebase servers to ensure data is synchronized among all users
- Structured the data being stored in Firebase to be as flat as possible, optimizing the size and speeds of reading/writing into the database

https://ryanng.info/projects/Barber-Shop	Barber Shop	Web2Py, Python, JavaScript, SQL, HTML, CSS
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Developed a website that allows users to sign up for haircuts with a barber of their choosing

- Created using the Web2Py full-stack web framework
- Implemented the back-end database using Python and SQL, storing the users, barbers and appointments
- Data controllers were written in Python, ensuring that data could be read from the database and displayed on the front-end easily, and vice-versa for writes

WORK EXPERIENCE

Learning Technologies Consultant	University of California, Santa Cruz	Santa Cruz, CA January 2018 - Present
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- Supervised and maintained the many computer labs on campus
- Assisted users and troubleshooted faulty equipment as needed

Information Technology Intern	Alameda County	Oakland, CA June 2016 - August 2016
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- Wrote PowerShell scripts to package applications, and used said scripts to deploy applications to thousands of users around the county
- Assisted and troubleshooted users around the county

Information Technology Intern	Alameda County	Oakland, CA June 2015 - August 2015
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- Imaged, configured and deployed hundreds of computers to offices around the county
- Vigorously tested county applications to ensure cross platform compatibility

LANGUAGES, TECHNOLOGIES AND SKILLS

- Python, Java, C, Haskell, JavaScript, HTML, CSS, Assembly
- Android Studio, Git, REST APIs, SQL, Web Development
- Data Structures, Algorithms, Abstract Data Types, Mobile App Development, Web Development, SQL Database