

EDUCATION

Santa Cruz, CA	University of California, Santa Cruz	September 2016 - June 2020
<ul style="list-style-type: none"> • 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
<p>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</p> <ul style="list-style-type: none"> • 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
<p>Developed an Android App that allows users to play the popular "Secret Santa" game with a group of others at holiday parties and events</p> <ul style="list-style-type: none"> • 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
<p>Developed a website that allows users to sign up for haircuts with a barber of their choosing</p> <ul style="list-style-type: none"> • 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
<ul style="list-style-type: none"> • 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
<ul style="list-style-type: none"> • 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
<ul style="list-style-type: none"> • 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