

# KORIANN SOUTH

801-347-4676

korianns@ymail.com

## EDUCATION

---

### University of Utah

*Salt Lake City, Utah | August 2017 - May 2022*

Honors Bachelor of Computer Science, Entertainment Arts and Engineering Emphasis

GPA: 3.979

*Dean's List: All 6 Semesters*

**Coursework**      Data Structures & Algorithms (Intro), Software Practice I & II, Discrete Structures, Linear Algebra, Algorithms, Probability & Stats, Foundations of Data Analysis

## WORK EXPERIENCE

---

### Software Engineer Intern

*Online | May - July 2020*

*Intuit, San Diego Office*

- Worked as a Full Stack developer on the TurboTax iOS and Android mobile apps
- Implemented an A/B Test that allowed us to enhance the experience of thousands of TurboTax customers
- Improved UI Tests by implementing a custom testing framework we now use in all of our UI Tests on iOS

### Data Analysis Intern

*Salt Lake City, Utah | July - August 2019*

*Hopeful Science*

- Canonicalized 2000 medical phrases into Human Phenotype Ontology codes using Molgenis' SORTA & Python to make Phenotype Clustering of patient data possible
- Used scipy's Hierarchical Agglomerative Clustering implementation to cluster thousands of patients' data

### Teaching Assistant: Intro to Object-Oriented Programming

*Salt Lake City, Utah | January - May 2019*

*University of Utah*

- Helped 250 students debug their Java code and develop their own debugging skills
- Led a Lab Section of 20 students in conjunction with other undergraduate TAs

## PROJECTS

---

### Habeas Project

*American Civil Liberties Union | March - December 2019*

Created web-scraping scripts with mechanize in Python to collect public data from local Department of Correction websites under the supervision of Professor Suresh Venkatasubramanian.

## TECHNICAL STRENGTHS

---

### Languages

Swift, Python, Java, C#, C++, Kotlin

### Software & Markup

Git, XCode, PyCharm, Eclipse, Emacs, Android Studio, Visual Studio 2017, Linux, LaTeX

## EXTRA-CURRICULAR

---

### Associate Coordinator, Data Science Club

*Salt Lake City, Utah | March 2020 - Current*

*University of Utah*

- Organized the online Summer Seminar Series and other club events
- Maintained the Data Science club web page and the Utah Center for Data Science website