

# Max Bartlett

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## EDUCATION

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### Duke University

*Bachelor of Science in Computer Science; Minors in Religion, Arabic*

GPA: 3.5 / 4.0

**Durham, NC**

August 2016 - May 2020

**Technical Skills:** Java, R, C, Ruby on Rails, HTML/CSS, SQL/NoSQL, Lisp, Git, UNIX, L<sup>A</sup>T<sub>E</sub>X

## WORK EXPERIENCE

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### Visa

*Software Engineer*

- Start date delayed from June to October 2020 due to COVID-19

**Highlands Ranch, CO**

Starting October 2020

### The Coding School

*Instructor and Curriculum Developer*

- Offering one-on-one programming lessons to middle and high school students
- Developing an introductory data science curriculum alongside students and professionals
- Organized and led a day-long data science workshop for 71 students as part of a coding summer camp

**Remote**

May 2020 - Present

### IBM

*Back-End Software Developer Intern*

- Began integration of LogDNA into the IBM Cloud App Management platform
- Developed bash test scripts and researched APIs to consolidate the two services
- Practiced agile development alongside fellow interns and full-time employees

**Durham, NC**

May 2019 - August 2019

### Duke University

*Undergraduate Teaching Assistant*

- Worked in three different introductory computer science and statistics courses
- Led multiple 30-person lab sections, graded assignments, and held weekly office hours
- Assisted MBA students throughout a two-day R programming workshop

**Durham, NC**

August 2018 - April 2020

### Duke University

*Undergraduate Research Assistant*

- Researched data science pedagogy and collaborated with professors in creating new introductory course
- Co-developed an R Shiny app displaying trends in Duke undergraduate student demographic data
- Presented findings to faculty to increase retention in STEM from traditionally underrepresented groups

**Durham, NC**

May 2018 - June 2018

## PROJECTS

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### Reality Ministries: Non-Profit Database Consulting

**September 2019 - September 2020**

- Provided technical consulting to a Durham-based nonprofit focused on developmental disabilities
- Refactored database schema and integration within Salesforce backend
- Developed Ruby on Rails application to access user data via Salesforce and Zoom APIs

### Bass Connections: The Art and Craft of Saxophone Mouthpiece Design

**August 2019 - June 2020**

- Gained experience with Micro-CT, 3D modelling and printing, research design, and statistical analysis
- Developed R Shiny application displaying textual, visual, and aural components of the project
- Named runner-up in the 2020 Bass Connections poster competition out of 40+ entries

### Runelite

**November 2018 - January 2019**

- Contributed to a free, open source, Java client for Old School Runescape with 60,000+ daily users
- Submitted several accepted pull requests containing bug fixes and new features
- Discussed and engaged with Java and Maven best practices with lead developers

### VOOGASalad

**November 2018 - December 2018**

- Developed a 2D RPG game authoring environment and game engine with JavaFX in a team of eight
- Presented live demo to professor, TAs and fellow students