# Max Bartlett

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## EDUCATION

**Duke University** **Durham, NC**
*Bachelor of Science in Computer Science; Minors in Religion, Arabic* August 2016 - May 2020
GPA: 3.5 / 4.0
**Technical Skills:** Java, R, Python, C/C++, Lisp, JavaScript, HTML/CSS, Ruby on Rails, SQL/NoSQL, Git

## WORK EXPERIENCE

**Visa** **Highlands Ranch, CO**
*Software Engineer* October 2020 - Present
- Working on the Issuer Processing Data Processing team in Visa DPS
- Developing monitoring and alerting capabilities using Micrometer, Prometheus, and Grafana
- Working with Java 8, Spring Boot, MongoDB, Jenkins, Apache Maven, and Apache Kafka

**The Coding School** **Remote**
*Instructor and Curriculum Developer* May 2020 - December 2020
- Developed an introductory data science curriculum in R alongside students and professionals
- Organized and led a day-long data science workshop for 71 students as part of a coding summer camp
- Offered one-on-one Python programming lessons to high school students

**IBM** **Durham, NC**
*Back-End Software Developer Intern* May 2019 - August 2019
- 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

**Duke University** **Durham, NC**
*Undergraduate Teaching Assistant* August 2018 - April 2020
- Worked in three different introductory computer science and statistics courses
- Led multiple 30-person lab sections, graded assigments, and held weekly office hours
- Assisted MBA students throughout a two-day R programming workshop

**Duke University** **Durham, NC**
*Undergraduate Research Assistant* May 2018 - June 2018
- 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

## PROJECTS & RESEARCH

**Nonprofit Database Consulting** **September 2019 - December 2020**
- Provided technical consulting to Reality Ministries, a nonprofit in Durham, NC
- Refactored database schema and integration within Salesforce
- Developed Ruby on Rails and Salesforce Lightning apps to access user data via Salesforce and Zoom APIs

**The Art and Craft of Saxophone Mouthpiece Design** **August 2019 - June 2020**
- Worked in a team to digitally archive, analyze, and create reproductions of rare saxophone mouthpieces
- Gained experience in Micro-CT scanning, 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 Duke Bass Connections research 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 in Java and Maven best practices with lead developers