Michael Ingram
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Experience:

Java Full Stack Web Development Bootcamp   April 2021 - August 2021
Skill Distillery, Denver, Colorado
- Developed Full Stack Java Web Applications using Spring, Spring Boot, JDBC, JPA and Angular along with a number of other JVM web technologies.

Data Analyst   August 2020-January 2021
T Carta Marine, Denver, Colorado
- Space based laser (IceSat-2) data acquisition of shallow water bathymetry as well as 3-d point cloud editing of satellite derived bathymetric surfaces
- Marketing analytics with Google Analytics. Saved the company thousands of dollars finding ads that were targeted in countries where they do not operate.
- Wrote Python scripts to automate the workflow for the point cloud editing team such as a script that connected to an API to download tidal information from NOAA

Projects:

Java Spring Boot Buzz Finder Craft Beer Tracking App:
- Developed a full stack java web application using Spring Boot, JPA and Hibernate that allows users to track, review and rate different craft beers and breweries. Created a database and schema in MySQL. Populated the database with an open source data set from Kaggle that had 2400 beers and 500 breweries. Created data visualizations using JavaScript and Charts.js.

Node/Express JavaScript Promotional Website For Local Cover Band:
- Developed a full stack website using HTML, CSS, Bootstrap, JavaScript, Node/Express that includes a SoundCloud player of the band's music and a contact form to email the band about bookings using NodeMailer. Also created the band's logo in adobe illustrator.

Java Spring C.R.U.D Film Query Application:
- Developed a film query application using Java, Spring and JDBC. The application connects to a video store MySQL database and allows you query for information about films. Designed a dynamic front end using JSP pages with JSTL including DOM manipulation with JavaScript ES6. Application and Database are hosted on AWS EC-2.

Java Spring Boot Set List Application:
- Developed a set list application for saxophone players using Java Spring Boot and JPA that stores sheet music as well as song information such as key and tempo in a database. Users can add new songs, edit current songs or delete songs from the set list.

Education:

Master of Science, Statistics
University of Colorado, Denver   August 2018 - May 2020
- Master's Thesis: *Classifying political articles using Random Forest and Natural Language Processing*
- Published Research in Statistical Genetics: *Factors affecting detection of bimodal sour-savory mixture and interindividual umami taste perception*

Bachelor of Science, Statistics
Colorado State University, Fort Collins, CO   August 2012 - August 2017

Skills:

Languages			Backend Frameworks		
Java, Scala, Python, JavaScript ES6			Spring/Spring Boot, Node/Express		
SQL/NoSQL Databases		**Front End Frameworks**		**Data Analysis**	
MySQL and MongoDB		Angular, React/Redux, BootStrap		R, Python	
Other					
Adobe Illustrator	Maven and Gradle	Java JDBC and JPA	AWS EC-2, Heroku	Java Server Pages (JSP)	J-Unit Testing
Git/Github	Agile/Scrum	Test Driven Dev	Restful API	Bash	ArcGis