

ANNALISE ROBINSON, MSc

Creating Award-Winning Databases

Boston, MA

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Supporting the Scientific Community Through Impeccable Data Management Strategies

Analytical data science professional, bringing over 10 years of experience harnessing innovation while working on multifaceted projects in academic research environments. Highly skilled data analyst with deep knowledge and demonstrated experience in complex project planning, database modelling, data manipulation, and relational databases. Driven and focused with the ability to work independently and as a collaborative team member.

IMPECCABLE PROBLEM-SOLVING & TECHNICAL SUPPORT SKILLS

Web Development • PHP (Zend Framework) • jQuery • Data Migration • Data Processing • Linux / Unix • Data Design • HTML5
Data Manipulation • Laravel • PHPUnit • Elasticsearch • MS Excel • REST API • XmlResolver • Oracle • Git
Data Visualization • Database Management • Asynchronous JavaScript & XML • Python • Sass • MySQL • NginX • Teradata

PROFESSIONAL EXPERIENCE

Anywhere University – Institute of Animal Taxonomy

FULL STACK DEVELOPER

Remote | Oct 2020 - Present

Spearheaded a Complex Project to Update Data on Insects in Europe

- Boosted user sessions by 26% per day by developing an interactive identification key and maps of faunistic records, working collaboratively with a 7-member team in a remote environment to upgrade the website and database.
- Improved server uptime from 87% to 99.9%, utilizing best practices by migrating the World Insect Catalog and the Insects of Europe websites from university-managed virtual environments to a bare-metal Linux-based server.
- Enhanced web application and data management for the World Spider Catalogue, which hosts over 48K spider species worldwide and over 5K spider species in Europe.

TECHNICAL ASSISTANT

City, State | Dec 2018 – Oct 2020

Pioneered a Working Prototype for Services using Kubernetes

- Collaborated with a 6-member team to support a 21-member team of experts, providing database updates for a catalogue with 8.7 million species.
- Developed scripts using MS Access to efficiently clean and transform data into a relational database, including adding new data for over 1000 European spider species.
- Exceptional attention to detail and data analysis skills were demonstrated when reviewing and translating existing species descriptions and identification keys.

University of Any State

DATA LIBRARIAN

City, State | Oct 2012 – Dec 2018

- Established a critical link between researchers and the IT department by conceptualizing, evaluating, and coordinating the implementation of institutional research data management services.
- Consulted with researchers, documenting requirements, and effectively communicating technical information to non-technical audiences in presentations.
- Authored a data pilot project proposal resulting in approval from the Executive Committee of the university.

“Annalise has outstanding data management, judgment, and decision-making skills while ensuring high-quality data.”

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Museum of Natural History

FULL STACK DEVELOPER

City, State | Sept 2009 – Oct 2012

Praised by the International Society of Lepidoptera for Outstanding Service to the Lepidopteran Community

- ⚙️ **Created the first fully searchable database** and authoritative source for caterpillar taxonomy through collaboration with a 3-member team to conceptualize, design, and implement front and back-end technology.
- ⚙️ **Orchestrated a complex project to modernize the electronic catalogue** that included migrating over 100K datasets while constructing new data architecture, managing the data, including implementing summary statistics and data visualization capabilities for users.
- ⚙️ **Tailored parsers to migrate plain HTML data** (taxonomic information for over 20K extant caterpillar species) hosted at the Museum of Natural History to a relational database.

Fundex Analytics

DATA ANALYST

City, State | Sept 2009 – Oct 2012

- ⚙️ **Pinpointed, analyzed, and cleaned data inaccuracies** by revising SQL [T-SQL] scripts.
- ⚙️ **Charted and executed a plan to import data from various sources**, including working collaboratively with 3 software developers to specify, test, and document the automated data ingestion process, thereby boosting business value and ensuring compliance with customer needs, quality standards, and tight deadlines.
- ⚙️ **Upgraded monitoring tools** by upholding data correctness and completeness related to business checks.

“
Annalise has proven to be an extremely reliable, diligent, and hardworking colleague with outstanding IT and database management skills.
”

VOLUNTEER EXPERIENCE

Non-Profit Organization

IT COORDINATOR

Remote | Apr 2020 - Present

A Charitable Organization that Focuses on Engaging Youth and Fostering Leadership to Prevent Violence

- 🌐 **Analyzed complex business needs** and recommended technical solutions.
- 🌐 **Integrated business solutions** while evaluating hardware and software to meet organizational requirements.
- 🌐 **Provided technical advice and assistance to an 8-member team** while ensuring data security.

EDUCATION

Master of Science Degree in Computer Science

University of Massachusetts | 2020

Bachelor of Computer Science Degree

Massachusetts Institute of Technology | 2008

Bachelor of Science Degree in Biology

King's College | 2005

Resume Strategy

This client came to me upon graduating from a master's degree program in 2020. The client had a contract role as a technical assistant with a university and wanted to apply for an internal role as a full stack developer. This was a competitive position as it was remote and full-time. This client was the successful applicant and completed interview coaching with me.

To position the client, I engaged the client with strategically designed questions to draw out metrics. This resume needed to demonstrate results with a team approach.

To demonstrate emotional intelligence, I included two performance review quotes that the client had received from past employers and specified teams that the client was part of.

Color – The color selected is a rich teal hue, which was selected in 2017 as *The World's Favorite Color*. This color was chosen as teal is known as a rejuvenating color that represents open communication and clarity. Since this client was passionate about the scientific community, this was an excellent match.

Font – This resume was prepared using Roboto as the primary font as it's a clean font with excellent readability. The client's name is showcased using Cinzel for the first letter of each name. This brings a hint of personality and provides a classic feel as first-century Roman inscriptions inspired the font. To add another element of style, Courgette font was used for the caption *Creating Award-Winning Databases*. Courgette was selected as it has a low stroke contrast that was carefully developed for digital use, and it is a recommended pairing with Roboto. The conservative use of Cinzel and Courgette adds a memorable touch to this classic resume design.

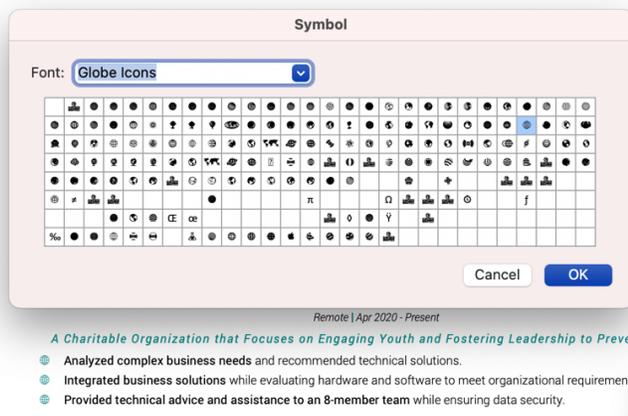
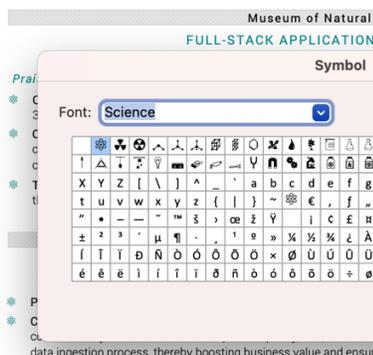
Spacing – This resume utilizes precise and intentional font and line spacing for impact and readability.

Shading & Line Details – To add classic design elements, shading and basic lines were used with intentional thicknesses to add impact. For example, with this zoomed-in image, you can see intentional alignment as the client's name, and caption are at the widest point, and the gray section is slightly indented from the green shading. The gray shading is Lt Trellis in two shades of gray, which I had used in the "Resume Strategy" heading for a larger perspective.

Bullet Points – Two unique bullets points were selected as part of the client's resume brand. Below are the bullet points in 20-point size with images to demonstrate their font names (Science and Globe Icons).



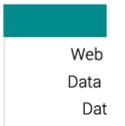
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Quotation Marks – The quotation marks are Times New Roman in 30-point font size.

