

## EDUCATION

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### Carnegie Mellon University

B.S. Statistics and Machine Learning

- GPA: 3.22/4.0

## TECHNICAL SKILLS

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### Programming:

- **Python:** experience in performing data analysis and visualization (numpy, pandas, matplotlib), and working machine learning frameworks (scikit-learn, tensorflow)
- **R:** experience in processing data, applying statistical and machine learning models, visualizing the data (ggplot2), reporting insights and exporting to presentations and web apps (R Shiny).
- Familiar with **C**, **JavaScript**, and **SQL**.

**Machine Learning:** built classification, clustering, and regression models from scratch as coursework. Have implemented neural networks and deep learning models on real-world data.

## EXPERIENCE

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### APS Technology

Wallingford, CT, Summer 2017

*Data Science Intern in Quality Assurance*

- Developed two database applications, using JavaScript, PHP, and the Quickbase API: one for automating the process of logging customer satisfaction issues, notifying relevant sales representatives and departments, and following up on and resolving the issues; and the other for automating the process of tracking hardware and software failures in company machinery, assigning investigations to relevant departments, mechanics, and/or developers, and implementing the fixes.
- Used Python to extract, clean, and analyze production data to create visualizations showing valuable insight for the production process.

### Carnegie Mellon University — Department of Statistics and Data Science

*Astro-statistics Research Trainee*

- Analyzed data from the Catalina Sky Survey using tools in Python and R to find features of the data to distinguish different types of stars and transient objects.
- Use machine-learning models (random forests, support vector machines, k-nearest neighbors) to classify stars based on type.
- Designed a poster to illustrate analysis and findings, to be presented at the Undergraduate Research Symposium 2017.

### Intelectum CA

Caracas, Venezuela, Summer 2016

*Database Administrator*

- Designed a central database (using SQL, PHP and JavaScript) combining customer relationship management (CRM) data, used daily for targeted sales to other businesses and aiding in customer retention.
- Maintained and backed up database on server.
- Developed user interface for working with employee performance data, whereby managers would rate the performance of their subordinate staff in a specific project.

## ADDITIONAL INFORMATION

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Certified UseClark Trainer ([useclark.com](https://useclark.com))

Languages Spoken: English (native), Spanish (native), French (intermediate, 5+ years)