ALEJANDRO MANTILLA

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SUMMARY OF QUALIFICATIONS

Eager to learn and easily engaged	Analytical and critical thinking
Leadership skills	Assertive communication skills
Able to perform well individually and in teams	Practical

EDUCATION

Universidad de los Andes, Bogotá   *January 2017 - October 2021* (Expected)
Bachelor of Science. Department of Industrial Engineering
Minor in mathematics. Faculty of Science   3.7/5 GPA

The English School - Fundación Colegio de Inglaterra, Bogotá   Graduated *July 2016*
IB High School Diploma - International Baccalaureate

Albertus Magnus Gymnasium, Ettlingen, Germany   *August 2013 - July 2014*
International exchange student

Buckswook School, Hastings, England   *August 2010 - December 2010*
Boarding school exchange

PROJECTS

Development of heuristic and metaheuristic algorithms - Academic
Focused primarily on the implementation of algorithms with which to solve large scale vehicle routing and other combinatorial optimization problems, trading optimal solutions at the benefit of short computational run time.

Database servers solution implementation at *Intel Corp* - Practical
First, with the objective of standardizing information reported by different sources of PC sales volume, a *SQL Server* data model was built and hosted on *DBaaS*; second, aiming to explore the data in an effort to understand the market and closely follow *KPIs*, Excel, Power BI, and Web tools were built with long term use in mind; and last, the data access technology was further refined by developing an *SSAS* tabular model that directly links tools to the latest data and maintains itself through scheduled *SSIS* jobs.

TECHNICAL SKILLS

Modeling and Analysis	AutoDesk Inventor, AutoCad, SimIO, CrystalBall, PuLP
Programming	Python, R, JavaScript, React, VBA, T-SQL, CI/CD
Software & Tools	Advanced MS Office, MS SQL, Linux, LaTeX

WORK EXPERIENCE

Intel, Colombia   *January 2020 - July 2020*
Data science and engineering for BI intern (Ongoing)
Work as a business analyst with great focus on data management and visualization for the Americas *HPI* team.

ACHIEVEMENTS

Academic

- Private tutoring for applied mathematics and computer programming subjects.
  - ∗ Operations Research and Analytics
  - ∗ Economics
  - ∗ Production Control and Logistics
  - ∗ Object Oriented Programming

Extra-Curricular

- Web development & programming enthusiast
  (https://mantimantilla.github.io)
- *IKO* instructor & assistant certificate *Since May 2017*
- Piano student *Since August 2016*
- Medalist in national and intercollegiate gymnastics competitions *2016 and prior*

Social Services

- Charity initiatives in La Guajira: family proyect for gathering supplies and financial resources in order to build school facilities and fresh water wells *Since October 2017*
- Voluntary work in La Guajira: aiding by instructing local kite-surfing schools in the manners of standard safety procedures and teaching methods *January and April 2018*

LANGUAGES

Spanish	Native
English	Fluent - IB language certificate, beyond C1
German	Fluent - Telc Deutsch C1 certificate
French	Basic - Coursed B1