

# Ulises Rönnau, Data Science Student

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## LINKS

<https://www.linkedin.com/in/ulises-roennau-a32b432b2>, <https://ulisesroennau.com/>

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## PROFILE

Data Science student at **UNC Chapel Hill** with a **3.9 GPA** and a **global background** across **4 continents**. **Built and deployed forecasting models into production** at **Splight**, now used by **all customers**, predicting grid capacity **10 days in advance** with **91–100% accuracy**, using **Python**, **LightGBM**, and **AWS Lambda/SageMaker**. Experienced in **genomics** and **DNA analysis** through **3D modeling**, **PCR**, and **electrophoresis** at **UNC**. Currently developing **AI tools for mental health** at **HEALLY**, using **FastAPI**, **Node.js**, **TensorFlow**, and **Affectiva**. Fluent in 5 languages, with a proven record of innovation across ML, biotech, and infrastructure planning.

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## EMPLOYMENT

June 2025 - July 2025	<b>Machine Learning Engineer at Splight</b>	San Francisco, USA
	Built and deployed <b>ML models</b> at Splight to <b>forecast grid transmission line capacity up to 10 days ahead with 91–100% accuracy</b> , using <b>Python</b> , <b>XGBoost</b> , and <b>LightGBM</b> . Deployed via <b>AWS Lambda</b> , <b>SageMaker API</b> , and <b>S3</b> , now powering real-time dashboards used by all customers. Improved previous Splight forecasting models by identifying nonlinearity and seasonal bursts in data, leading to a model switch and <b>substantial gains in performance</b> .	
Jan 2025 - Present	<b>Data Scientist at HEALLY</b>	Chapel Hill, USA
	<b>Develop ML solutions</b> for HEALLY, a student based start-up from UNC Chapel Hill, which combines neuroscience and artificial intelligence to provide users with a personalized assistant in learning. Currently <b>working on the HEALLY MIND model</b> , a warning system that prevents burnout, stress, using <b>Node.js</b> and <b>Python FastAPI</b> for backend and <b>PyTorch</b> , and <b>Affectiva</b> for AI-driven analysis of facial expressions and voice tones.	
Feb 2024 - Present	<b>Mathematics and Language Tutor at CollegeBoard   VarsityTutors</b>	Remote
	Received an <b>honorary invitation</b> from CollegeBoard to tutor for, and beta test, the new digital SAT. Tutored <b>10 students</b> on the math section of the dSAT, did one-on-one tutoring to help a student <b>pass the New Jersey Student Learning Assessment for Mathematics</b> (high school), continue to <b>teach middle school maths</b> to students across the United States, <b>teach German and Spanish</b> to all ages.	
Aug 2024 - Dec 2024	<b>Genetics Lab Technician and DNA Analyst at UNC Chapel Hill</b>	Chapel Hill, USA
	Researched the <b>breakage and reparation of DNA chromosomes</b> in yeast by using phenol-chloroform miniprep, yeast transformation, PCR amplification, and running gel electrophoreses on <b>80 yeast colonies</b> . Studied the 3D structure of the nucleus through <b>mathematical modeling</b> with <b>C</b> , <b>C++</b> , and <b>Python</b> saving on hours of experimentation during prelabs.	
Jan 2022 - Feb 2022	<b>Digital Commerce Intern at BMW Marketing</b>	Munich, Germany
	Learned about customer online purchasing behavior from data analysts. Compared BMW's international marketing methods <b>across Europe, North America, and Asia</b> . Conducted research to <b>improve UX and UI</b> to streamline the traffic funnel by <b>reviewing competitions' car configurator websites</b> for the online marketing division.	
Jul 2021 - Aug 2021	<b>Sustainable Urban Planning Intern at Reinhold-Maier Foundation</b>	Stuttgart, Germany
	<b>Selected among only 20 students in Stuttgart</b> to design city plans that <b>implemented green infrastructure, pedestrian-friendly walkways, and biophilic buildings</b> using simulation programs. Learned about green technologies for agriculture. <b>Presented ideas to Mayor of Tengen, Germany</b> .	

EDUCATION

Aug 2024 - May 2027	<b>Bachelor of Data Science, UNC Chapel Hill</b> Concentration in Artificial Intelligence & Econometrics, <b>GPA: 3.9/4.0</b>	Chapel Hill, USA
Aug 2022 - Jun 2024	<b>IB Diploma Recipient, Myers Park High School</b> Completed International Baccalaureate (IB) program, a globally recognized high school curriculum, <b>CGPA: 37/45 marks</b>	Charlotte, USA
Sep 2016 - Jul 2024	<b>Dillmann Gymnasium Stuttgart</b> Transferred with final <b>(German) GPA: 1.5/6.0</b>	Stuttgart, Germany
Jan 2011 - Jun 2015	<b>British International School of Jeddah</b>	Jeddah, Saudi Arabia
Mar 2009 - Dec 2011	<b>Mark Twain</b>	Córdoba, Argentina

TECHNICAL SKILLS

Python	C, C++
Flask, PyTorch, TensorFlow, Scikit-learn, Pandas, Numpy, Matplotlib	SQL, R
HTML, CSS, JavaScript	Jupyter Notebooks, Google Colab
AWS, PythonAnywhere, Streamlit	GitHub, Git, Docker, Docker Images
	AWS, Jira, Confluence

LANGUAGES

<b>English</b>	Native speaker	<b>French</b>	Very good command
<b>German</b>	Native speaker	<b>Japanese</b>	B2
<b>Spanish</b>	Native speaker		