

Nick Chandler

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EDUCATION

- **Berliner Hochschule für Technik Berlin (Berlin University of Applied Sciences)** Berlin, Germany
Master of Science in Data Science Oct. 2024 - Present
- **Western Washington University** Bellingham, WA, USA
Bachelor of Science in Computer Science - ABET Accredited; GPA: 3.96 Sept. 2020 - June 2024
Minor in Mathematics & Statistics, Magna Cum Laude

EXPERIENCE

- **Berliner Hochschule für Technik (Berlin University of Applied Sciences)** Berlin, Germany
Data Science Research Assistant Feb 2025 - Sept 2025
 - **Tabular Data Research:** Worked on investigating error models in tabular data. Used Helm, Kubernetes, and Docker to execute multi-threaded, distributed experiment code written in Python on a cluster environment. Compiled results into visualizations for communicating discoveries.
- **Western Washington University** Bellingham, WA
Computer Science Research Assistant March 2023 - June 2024
 - **Applied Deep Learning Research:** Worked on a team of 4 students under Professor Brian Hutchinson to produce a deep learning pipeline in Python using PyTorch, Pandas, and NumPy to predict characteristics of binary star systems.
- **Western Washington University** Bellingham, WA
Mathematics Research Assistant Oct 2022 - June 2024
 - **Development, Application, and Dissemination of Statistical Testing Research:** Assisted Professor Kimihiro Noguchi in the development of a novel class of two-sample statistical tests. Used HTCondor and R to parallelize and distribute Bootstrap and Monte Carlo algorithms on a cluster environment. Did analysis on a psychology dataset to demonstrate the use of the statistical tests. Presented research in poster sessions at several conferences including the 2024 Joint Mathematics Meetings and the 2023 Society of Industrial and Applied Mathematicians PNW meeting.
- **Western Washington University** Bellingham, WA
Mathematics Tutor Sept. 2022 - June 2024
 - **Tutoring Mathematics:** Assisted approximately 100 students per week with a team of other tutors on advanced mathematics topics such as multi-variable calculus, linear algebra, probability theory, statistics, differential equations, and discrete mathematics.

PROJECTS

- **Arbitrarily Deep Neural Network:** Built an arbitrarily deep neural network from conception for a machine learning course using Python's NumPy library without higher-level frameworks. This required a full understanding of the inner-workings of neural networks.
- **Automatic Stock Trader:** Built an automatic stock trader using SQL embedded in Java. It queried over 1 million instances of over 30 years of stock data from a MySQL database and executed a pre-specified trading strategy.
- **Elasti-Cache Web Server:** Built a web server which would take requests and cache the data for repeat uses from conception using C and UNIX sockets TCP functionality.

SKILLS

- **Natural Languages:** English (Native), German (B2) **Programming Languages:** Python, R, C, Java
- **Technologies:** NumPy, Pandas, Matplotlib, dplyr, ggplot, Seaborn, TensorFlow, PyTorch, scikit-learn, MySQL, ODBC, JDBC, Multithreading, Distributed Computing, Docker, Kubernetes, Helm, Apache Spark, TCP/IP, Linux, GitHub, Git, HTML, Excel, Generative AI, Large Language Models (LLMs)
- **Soft Skills:** Interpersonal Communication, Public Speaking, Project Planning, Time Management, SCRUM