# Eric R. Binnendyk

## Objective

A summer job that makes use of my strong computer science and math skills.

## Contact Information

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## Tech skills

- *Programming* - Python, Javascript, C, C++, MATLAB, Java, R, Haskell, SQL, Keras, Tensorflow, Numpy, Pandas, Jupyter, Prolog, Lisp/Racket, Flex, Bison, ZeroMQ, Nexus IQ
- *Tools/concepts* - Linux, Git, Wireshark, ns-3, neural network, reinforcement learning, stochastic modeling
- *Math/data visualization* - Maple, Excel, Tableau, Matplotlib
- *Writing/editing* - LaTeX, HTML, CSS, OmniUpdate

## Awards and Distinctions

- 2021 Alumni Award - Top Computer Science graduate
- 2021 Shipman Scholarship
- 2020 Goldwater Scholarship nominee
- 2018-2021 Tech Scholar
- 2016 National Merit Finalist

## Education

- PhD Computer science - University of California, San Diego (expected; June 2027)
- MS Computer science, New Mexico Institute of Mining and Technology (June 2022)
- BS Computer science and BS Mathematics (highest honors), New Mexico Tech (May 2021)

## Experience

### Papers

- "An intelligent token bucket-based queue management strategy for QoS of named-data networking." Independent study for MS degree. Link.
- "Learning with distributional inverters." Joint work with my undergraduate advisor and other senior researchers. Presented at the 33rd International Conference on Algorithmic Learning Theory, 2022. Paper.

### Work

- Teaching assistant - UC San Diego (2024 - present)
- Graduate student researcher - UC San Diego (Fall 2022 - present)
- Summer intern - Sandia National Labs (Summer 2022, Summer 2023)
- Teaching assistant - New Mexico Tech (2021 - 2022)
- Graduate research assistant - New Mexico Tech (2020 - 2022)
- Tutor/Grader - New Mexico Tech (2019 - 2020)
- Webmaster - New Mexico Tech (2018)