

# ABRAHAM STROSCHEIN

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## EDUCATION

SEPTEMBER 2020 – MAY 2024 (IN PROGRESS)

**COMPUTER ENGINEERING**, UNIVERSITY OF ST. THOMAS

- 4.0 Cumulative GPA, Aquinas Scholars Honors
- Received Science, Math and Engineering scholarship
- Treasurer for Rock Climbing Club, member in Instrumental Jazz Ensemble

SEPTEMBER 2015 – MAY 2020

**HIGH SCHOOL DIPLOMA**, WACONIA HIGH SCHOOL

- 4.0 Cumulative GPA
- Boy Scouts of America, National Honors Society, Wind Ensemble, Jazz Band, Drumline

## EXPERIENCE

MAY 26, 2021 – PRESENT

**UNDERGRADUATE RESEARCH INTERN**, UNIVERSITY OF ST. THOMAS

- Digital ion channel amplifier under Dr. Lucas Koerner with NIH grant
- Design Python architecture and implement host control programming
- Communicate host computer to FPGA to peripheral ICs via SPI, I<sup>2</sup>C
- Use Git version control
- Write, document, and release Python package [pyripherals](#) on [PyPI](#)
- Collaborate on hardware and software designs with a small group

MARCH 1, 2021 – MAY 21, 2021

**WEB INTERN**, UNIVERSITY OF ST. THOMAS

- Create webpages, news, events, widgets on OneStThomas intranet

## PROJECTS

**car-cost-comparison** (Python)

- Created at MIT hackathon 2021
- Plot the cost of driving different cars based on fuel consumption, fuel price, and initial price
- GitHub: <https://github.com/Ajstros/car-cost-comparison>

**CovidDataUST** (Python)

- Web scrape and plot COVID cases at the University of St. Thomas over time
- GitHub: <https://github.com/Ajstros/CovidDataUST>