ABRAHAM **STROSCHEIN**

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EDUCATION

SEPTEMBER 2020 – MAY 2024 (IN PROGRESS)

COMPUTER ENGINEERING, UNIVERSITY OF ST. THOMAS

- 4.0 GPA, Aquinas Scholars Honors
- Received Science, Math and Engineering scholarship
- Involved in Symphonic Wind ensemble, Rock Climbing Club, Computer Science Club

SEPTEMBER 2015 – MAY 2020

HIGH SCHOOL DIPLOMA, WACONIA HIGH SCHOOL

- 4.0 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
- Implement Verilog SPI communication controller
- Communicate host computer to FPGA to peripheral ICs via SPI, I^2C
- Use Git version control

MARCH 1, 2021 – MAY 21, 2021

WEB INTERN, UNIVERSITY OF ST. THOMAS

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

AUGUST 20, 2017 – AUGUST 23, 2020

SUNDAY CUSTODIAN, FAITH LUTHERAN CHURCH

- Prepare church for service, refreshments, and cleanup

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