

# Edward Stifter

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## EDUCATION

**University of Notre Dame:** Notre Dame, IN May 2023

**Major:** Electrical Engineering

**GPA:** 3.82/4.00

**Marist High School** **Chicago, IL**

GPA: 4.00/4.00 | Class Rank: 1/381 | ACT: 36/36 May 2019

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## PROFESSIONAL EXPERIENCE

**Amazon Web Services** **Seattle, WA**

*SDE Intern* *Summer 2022*

- Worked with AWS IoT Device Tester team to improve downloadable device testing software
- Single-handedly designed and implemented a feature that enabled test setup and teardown functionality for device tests, which directly led to 80% time savings in a frequently used test suite
- Set up and managed infrastructure to continuously integrate, test, and application

**Shambaugh & Son, L.P.** **Downers Grove, IL**

*Full Stack Developer* *2018 – 2022*

- Work closely with salespeople and management to create web-based estimation system with React and Java
- Administrate Linux web server running tomcat and MySQL
- Design an interactive Leaflet interface for territory management resulting in ~90% time savings over past method
- Write Python scripts to ingest invoice and cost data from PDF and process it to create spreadsheet for modeling
- Design interface with Python for third party call center to eliminate ~85% of time spent doing repeated manual entry
- Create Excel VBA application to streamline the sales process by automating estimation and proposal creation in Word

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## PROJECT EXPERIENCE

**16-bit FPGA Computer** 2020

- Used Verilog to create a fully functional 16-bit computer with custom instruction set on an Altera Cyclone IV FPGA

**8-bit TTL Computer** 2017

- Used 7400 series logic chips to construct an 8-bit breadboard computer with custom instruction set

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## COMMUNITY

**Dunne Hall Website Commissioner** *March 2021 – Present*

- Led effort to maintain and update the website for a residence hall. Responsibilities included backend maintenance, content creation, and training of future maintainers without prior experience

**Dunne Hall Retreat Captain**

- Led small discussion groups of underclassmen during a retreat focusing on brotherhood, friendship, and handling challenges.

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## OTHER ACCOLADES

**Valedictorian** *May 2019*

- Finished top of class of 381 students at Marist High School in Chicago

**National Merit Finalist** *April 2019*

- One of only ~15,000 students selected nationwide based on PSAT score and essay

**Math Team Captain** *May 2019*

- Captain of high school math team which took 3<sup>rd</sup> in State competition senior year; placed top five for three other years
- Individually received 9<sup>th</sup> place in state competition among thousands of participants

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## SKILLS AND INTERESTS

**Computer:** Go | Python | Java | Javascript | React | Excel VBA | Verilog | C | C++ | Linux | Jira | Git | SVN

**Interests:** Building my couch from scratch | Fixing anything and everything broken | Chicago Bears & White Sox