

Tom Patrick Appenzeller

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Education

Purdue University, West Lafayette, IN
Majors: Computer Science, Mathematics, Statistics

3.75/4.0
Expected graduation: May 2022

William Henry Harrison High School
West Lafayette, Indiana

May 2018
4.0/4.0 (unweighted)

Honors & Awards

- | | |
|--------------------------------------------|-------------------|
| • Tarkington Hall Officer of the Year | 2019 |
| • Purdue University Dean's List | Fall 2018-Present |
| • Finalist 2018 National Merit Scholarship | 2018 |
| • National AP Scholar | 2018 |
| • Valedictorian of Harrison High School | 2018 |

Skills

- Computer Languages: Java, Python, C, ARM Assembly, HTML/CSS
- Languages: German

Internships & Programs

Prof. Milind Kulkarni (School of Electrical and Computer Engineering, Purdue University) January 2019 - present

- Writing C language parser in python
- Create user interface for code optimization program
- Wrote verification tests of software which performs code optimizations
- Researched methods to optimize compile-time tree traversals of irregular programs

Prof. Pedro Irazoqui (Weldon School of Biomedical Engineering, Purdue University) June 2017 - September 2017

- Authored research paper submitted to Siemens competition 2018
- Performed, as part of a DARPA project, surgeries on rat test subjects to explore nerve stimulation as a treatment option for cytokine-related illnesses as depression

Projects

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| • HackIllinois Hackathon <ul style="list-style-type: none">◦ Backend implementation of Amadeus API for 'Real Time Flight' | February 2019 |
| • Hello World Hackathon (Purdue University) <ul style="list-style-type: none">◦ Lead team in Android social media application development to connect local musicians and create 'Jam Sessions' | September 2018 |
| • BoilerMake Hackathon (Purdue University) <ul style="list-style-type: none">◦ Lead team in HTML research to create website design for social media application | October 2018 |

Extracurricular Activities and Leadership

- | | |
|------------------------------------------------------------|-------------------------|
| • PSSC Senator | August 2019-Present |
| • Boilers CTF Hacker | August 2019 - Present |
| • Cosine Math Tutor | June 2019 - Present |
| • College of Science Ambassador | March 2019 - Present |
| • Purdue ACM SIGAPP Developer | January 2019 -Present |
| • Halberdier Club (Tarkington Hall) Elected Vice President | January 2019 - May 2019 |