Tom Patrick Appenzeller

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**Education**

Purdue University, West Lafayette, IN 3.75/4.0

Majors: Computer Science, Mathematics, Statistics Expected graduation: May 2022

William Henry Harrison High School May 2018

West Lafayette, Indiana 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](https://engineering.purdue.edu/ECE/), 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**

* HackIllinois Hackathon February 2019
  + Backend implementation of Amadeus API for ‘Real Time Flight’
* Hello World Hackathon (Purdue University) September 2018
  + Lead team in Android social media application development to connect local musicians and create ‘Jam Sessions’
* BoilerMake Hackathon (Purdue University) October 2018
  + Lead team in HTML research to create website design for social media application

**Extracurricular Activities and Leadership**

* PSSC Senator August 2019-Present
  + Networking and Career Outreach Committee Head
* 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