

# Tom Patrick Appenzeller

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## Education

Purdue University, B.S.  
Majors: Computer Science, Mathematics, Applied Statistics  
Emphasis: Software Engineering, Machine Learning

GPA: 3.75/4.0  
Graduation: May 2022

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## Internships & Programs

### Liberty Mutual Insurance

Software Engineer Intern

May 2020 – August 2020

- Developed UI features on legacy front end react suite to process legal matters
- Integrated with existing back end architecture to ensure minimal business impact
- Verified recording of application metadata for compliance purposes

### Purdue COSINE tutors

Head Mathematics Tutor

May 2019 – Present

- Calculus I & II, Multivariate Calculus, Linear Algebra, Finite Math, Data Structures, Algorithms, Abstract Algebra Concepts

### Prof. Milind Kulkarni

Software Developer

January 2019 – January 2020

- Designed and developed user interface for code optimization program
- Authored unit tests of software which performs code optimizations
- Researched methods to optimize compile-time tree traversals of irregular programs

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## Projects

- Financial App March 2020
  - Created React app using WorldTradingData API to visualize stock development
- Personal Website December 2019
  - Engineered Tomappenzeller.tech using web languages and github hosting
- BoilerMake Hackathon January 2020
  - Integration of Spotify API, Apple Music API, and React for musical web app
- Hello World Hackathon September 2018
  - Lead team in android social media application development

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## Extracurricular Activities

- PSSC Senator, NCO Committee Head August 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

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## Skills

- Java JavaScript Python C++ C ARM Assembly HTML/CSS Bash Gherkin/Cucumber R PHP
- Mocha Agile Methodology Atlassian Products NodeJS React SpringBoot Linux/Unix Git Firebase

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## Relevant Coursework

- Software Engineering I, Data Mining and Machine Learning, Systems Programming, Computer Architecture, Data Structures and Algorithms, Programming in C, Object Oriented Programming
- Abstract Algebra, Foundations of Analysis, Differential Equations, Linear Algebra II, Linear Algebra, Multivariate Calculus