

Tom Appenzeller

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Education

Purdue University, B.S.

Majors: Computer Science, Mathematics, Applied Statistics

Awards: Outstanding Junior in Computer Science 2020-2021,
Mary Ann Neel Computer Science Scholarship Recipient

GPA: 3.73/4.0

Graduation: May 2022

Skills

Java Python C R Javascript Go Ruby React Terraform Linux SQL AWS Spring Maven MongoDB
Bash ARM Assembly GitHub Docker Django Node.js Pandas NumPy Cucumber Mocha C++

Internships & Work Experience

Okta

Software Engineer Intern

May 2021 – August 2021

- Enabled microservice configuration refresh, reducing company-wide development time from hours to minutes.
- Authored Go client to authenticate and generate cloud configuration requests
- Created custom Terraform provider to absorb Go client data resource

Liberty Mutual

Software Engineer Intern

May 2020 – August 2020

- Developed UI features using Javascript on React suite to process legal matters
- Verified functionality through Cucumber integration tests

Purdue University Data Structures and Algorithms

Teaching Assistant

August 2020 – Present

- Devised and lectured weekly on course material
- Provided supplemental instruction for students, in tandem with graded feedback

Purdue COSINE tutors

Head Mathematics Tutor

May 2019 – Present

- Conducted administrative duties such as interviewing, onboarding, and scheduling
- Tutored subjects such as Calculus I & II, Multivariate Calculus, Linear Algebra, Finite Math, Data Structures, Algorithms, Abstract Algebra Concepts

Prof. Milind Kulkarni

Undergraduate Research Assistant

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

Projects

- 2Cents March 2021
 - Integrated Plaid transaction API with REST MERN stack to facilitate round-up donations on transactions
- Personal Website December 2019
 - Engineered tomappenzeller.tech using web languages and Github hosting
- cMap January 2021
 - Google Maps API and MERN stack to create a 'covid map' where users leave reviews of covid friendly areas

Extracurricular Activities

- Purdue Science Student Council August 2019-Present
 - Webmaster
 - College of Science Ambassador March 2019 - Present
 - Halberdier Club (Purdue Residence Hall Student Gov) August 2018 - May 2019
 - Vice President
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