

Tom Appenzeller

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Education

Purdue University, B.S.
Majors: Computer Science, Mathematics, Applied Statistics

GPA: 3.71/4.0
Graduation: May 2022

Awards

- | | |
|---|------------|
| • College of Science Commencement Responder | May 2022 |
| • Outstanding Senior Design Project | May 2022 |
| • Outstanding Junior in Computer Science | March 2021 |
| • Mary Ann Neel Computer Science Scholarship Recipient | March 2021 |
| • Tarkington Hall Executive Board Member of the Year | May 2019 |

Internships & Work Experience

- | | |
|---|---------------------|
| Okta
Software Engineer I | June 2022 - Present |
| <ul style="list-style-type: none">• Created SCIM 2.0 compliant Java sdk for user management and employed its use in critical company microservice for authentication tokens• Authored Python encryption script used over 100 times per week for property insertion into central repository• Developed Maven dependency auto-updater bash script which assesses and patches vulnerabilities and new library versions, generating PR's for slew of Okta-owned repositories• Maintenance of custom domain router service, including preventing of host header injection• Bi-monthly guardian responsibilities including health assessments of team-owned services and providing subject matter expertise to requesting business units• Interviewed prospective Okta interns, posing questions related to algorithms and software development practices, culminating in mentorship of new hire | |
| Okta
Software Engineer Intern | May 2021 - Aug 2021 |
| <ul style="list-style-type: none">• Enabled Java/Springboot based 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 - Aug 2020 |
| <ul style="list-style-type: none">• Developed UI features using Javascript on React suite to process legal matters• Verified functionality through Cucumber integration tests• Attained proficiency in software development best practices and team integration via Agile | |
| Purdue University Data Structures and Algorithms
Teaching Assistant | Aug 2020 – May 2021 |
| <ul style="list-style-type: none">• 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 – May 2021 |
| <ul style="list-style-type: none">• 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
ECE Undergraduate Research Assistant | Jan 2019 – Jan 2020 |
| <ul style="list-style-type: none">• 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 | |
| Prof. Pedro Irazoqui
BME Research Assistant | May 2017 – Aug 2017 |
| <ul style="list-style-type: none">• Researched novel methods of cytokine attenuation through vagus nerve stimulation• Constructed and implanted electrodes into rodent test subjects• Collected biological data and presented findings in paper submitted to Siemens Competition | |

Projects

inSite

Jan 2022 - May 2022

An aggregation of social media insights

- Integrated Twitter, Twitch, Reddit, Google and APIs into RESTful MERN application
- Provided MFA and secure notifications with Twilio and Google Authenticator

2Cents

March 2021

Donation round up application

- Integrated Plaid API with MERN (MongoDB, ExpressJS, ReactJS, and NodeJS)

tomappenzeller.tech

Personal Website

Dec 2019

- Pure html web page hosted with Github
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Skills

Java Python C R Javascript Go Ruby React Terraform SQL AWS Springboot Maven MongoDB
Bash ARM Assembly Docker Node.js Cucumber

Extracurricular Activities

Purdue Science Student Council

Aug 2019 – Dec 2021

Webmaster, Campus Outreach Committee Head

College of Science Ambassador

March 2019 – May 2022

Speaker for CS, Math, Stats

Halberdier Club (Purdue Residence Hall Student Gov)

Aug 2018 – May 2019

Vice President, Residence Hall Association Rep