Tomas Lawton
Creative Technologist + Young Inventor

Hello! I'm a creative engineer with design experience from Atlassian and software engineering experience from Accenture's award-winning automation team. I excel in many areas with my natural aptitude for learning, reasoning and crystalising novel ideas. I love interdisciplinary environments involving creativity and interactive technology. My dream is to be an inventor and work for Google.

Experiences

Accenture myWizard Software Engineer (February-Today)

Since February, I have been working on the codebase of SaaS microservices written in typescript and python. I have owned, designed and implemented features and shared knowledge with team members. I have also worked with AWS and have been exposed to DevOps, CI/CD and automation.

Atlassian Design Intern (November-February)

Three-month internship working on the Forge product as it transitioned from beta to general availability. I worked with designers, engineers and writers to enhance the developer onboarding experience and the Forge CLI. According to user feedback, my work has made a positive impact since the launch.

Other Experience (2 Years)

I presented a project on AI co-creators at the University of York, was the youngest design expert in the Australian Design Rights Forum and was a lead mentor for five students in the recent RSE hackathon. I was also a panel speaker for Atlassian at UNSW, the winner of the USYD school of computer science creative coding award and the winning Accenture pitch in the 2020 SLP hackathon.

Previously, I organised a $10K fundraiser for leukemia and worked for the NZ Ministry of Education as a teacher and as a professional performing musician.

Education

Algorithms on Udemy Aug 2021

I completed an online course on data structures and algorithms in ES6 javascript. The class included 22 hours of lectures and 85 practice problems on common topics: sorting, graphs, DP and more. Working through the problem sets in my free time was invaluable for building algorithmic intuition.

SAFe 5 Agile Certification Mar 2021

Over four days, I learned about planning PIs and sprints, breaking down requirements, developing built-in quality and relentless improvement. I passed the course exam and applied the theory to the sprints at work.

University of Sydney Feb 2018 - Dec 2022

Design Computing / Advanced Studies (Dalyell Scholar). Sydney University Merit Scholarship and Equity Scholarship. Jazz Society Vice President. Previously: Semester in Jazz Performance at the Sydney Conservatorium.

Rangitoto College Feb 2013 - Nov 2017

Creativity Cup, Performing Artist of The Year (from 3300 students). NCEA Level 1, 2 and 3 Endorsed with Excellence, Multiple Top Academic Awards. School Prefect.

Skills

Modern Front-End

Typescript, ES6 and Common JS. CSS Frameworks and Styled-Components, Modern State Management: Context and Redux. Hooks, Memory Optimisation. Common React Libraries, React/Dom Testing Library, Jest. Rest + GraphQL. CRA, React Rewired, JamStack, Gatsby, Netlify, Expo, React Native.

Back-End / Architectures

IBM Cloud and AWS: Gateway, Lambda, Rekognition, S3, DynamoDB. Node, Python, Shell, Heroku, SQL, SQLAlchemy, Postgres. Some DevOps and Docker.

Design

Tools: Design Systems and Tooling, Rapid Prototyping, Experience Prototyping, Service and Interaction Design. Figma, UIs and Illustration, Accessibility, UX Trends, Usability Testing, Wireframes, User Flows/Journey, Qualitative Research, Adobe. Exceptional Communication and Documentation Skills.

Frameworks: Design Thinking, Global Design Theory, Human-Centred Design, Jobs to be Done, Systems Thinking, Agile, OKR.

Creative

I have explored many applications of ML, three.js/WebGL, 3D modelling, human interactive systems and visualisation. Some of these are in my portfolio. I would love to learn more about modelling and Web AR!

As a musician, I recorded in Studio 301 with Timomatic and drummed in numerous large venues in Sydney and around NZ. I've also had an orchestral arrangement viewed by 20K+ people. My languages are Spanish (fluent) and French (intermediate).

Contact

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