Software Engineer
Christchurch, New Zealand

Daniel Bishop

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www.dan-kiwi.dev

Education

University of Canterbury		**Feb 2021 – Nov 2023**

Bachelor of Science   Major: Computer Science
                             Minor: Economics

- GPA: 8.47/9 (A+/A average)
- University of Nottingham exchange: January – June 2023
- Computer Science Society Executive: 2nd Year Representative (2022)
                                   Social Media Manager (2023)

St Andrew's College	**Feb 2015 – Nov 2019**

- NCEA Level 1, 2, 3 endorsed with Excellence
- Head of Boy's Boarding, Prefect

Experience

VXT	**Full-Stack Software Engineer**	**(Intern) Nov 2022 – Jan 2023** **(Part-time) Feb 2023 - Current**

- React, Node.js, NoSQL Firestore, OpenAPI, Electron
- Revamped the front end of VXT meetings (unreleased) and implemented Nylas on the back end for seamless synchronization of meetings with the user's calendar.
- Enhanced VXT's Desktop application by enabling third-party sign-in processing within the browser and implemented the functionality to set up OAuth integrations
- Developed an internal tool that visualizes call flows at each state, aiding in call debugging and error identification
- Implemented headset integration in the web browser and desktop through the WebHID API

AgriOptix	**Founder & Lead Developer**	**Jun 2023 - Current**

- Developing a software platform aimed at optimizing seed allocation and paddock management for agribusinesses and farmers.
- Placed third in UC's enterprise challenge, a start-up accelerator program

Rochester and Rutherford Hall	**Academic Tutor**	**Feb 2022 – Nov 2022**
Coringa Park Dairies	**Dairy Farm Assistant**	**July 2020 – Jan 2022**

Skills

JavaScript, TypeScript, HTML5, CSS3, Java, C, OpenGL, Python, Node.js, Express.js, React.js, Next.js, Vue.js, Webpack, Material UI, CSS in JS, NoSQL, FIrestore, SQL, PostgreSQL, Docker, RestAPI, OpenAPI, OAuth 2.0, WebHID, Electron, Postman, Git, Algorithmic Design, Computer Networks, Cyber Security, Metasploit, Human and Computer Interaction, CI/CD

Personal Projects

- Personal Website (Vue.js) – About me, my projects & source code: www.dan-kiwi.dev
- PastureMarket (React.js, Next.js, Node.js, PostgreSQL) – Precursor to SeedMate, a website to display current and historical farm prices
- Pong (C) – A game playable between two UC Fun kits (a microcontroller)
- On The Farm (OpenGL) – 3D design of a farm with a moving sheep, hay bale & water trough
- Monster Fighter (Java) – A single-player turn-based battle between the user's and computer's monsters

Awards

- Outbound Exchange Award: To study at the University of Nottingham – University of Canterbury (2022)
- Hiranga Scholarship: For Academic Excellence – University of Canterbury (2020)
- Duke of Edinburgh Award: Bronze (2016), Silver (2017), Gold (2019)
- Proxime Accessit: Runner up to Dux – St Andrew's College (2019)
- Top Student in Mathematics, Economics & Accounting – St Andrew's College (2019)