

Daniel Wang

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EDUCATION

University of Waterloo

Sep 2022 – Present

Computer Science Co-op, Bachelor of Computer Science

Waterloo, CA

- GPA: **3.96**, CS Faculty Average: **90.67%**, CS135: **97%**
- Awards: President's Scholarship of Distinction, Trudy Byma Entrance Scholarship

TECHNICAL SKILLS

Languages: Java, JavaScript, TypeScript, Python, C, Dart, HTML, CSS, Racket

Technologies: MERN (MongoDB, Express.js, React.js, Node.js), Next.js, Flutter, Tailwind CSS, Maven, Git, Bolt SDK

Databases: AWS S3, MongoDB Atlas, Firebase Firestore

Awards:: Placed Honor Roll (Top 1%) in the Canadian Computing Competition Junior (2020)

PROJECTS

Volunteer Portal | *MongoDB, Express, React, Node.js, JS, HTML, CSS* | [GitHub](#)

Dec 2022 – Jan 2023

- Developed member portal for a Canadian charity using **MERN** Stack; accessible at: portal.focusyouth.ca
- Utilized **MongoDB Atlas** for storing all user credentials as well as detailed volunteer records
- Implemented **RESTful API**, employing URI protocols for server-client communication of volunteer hours and user records; resources sent using **JSON** and promise-based HTTP client **Axios**
- Deployed token-based (**JWT**) stateless authentication mechanism for users using email and password verification

Personal Website | *React, Next.js, Tailwind CSS, JavaScript* | [GitHub](#)

Sep 2022 – Nov 2022

- **NextJS** website styled using **Tailwind CSS** and **Semantic UI**; hosted using Vercel; view at daniel-wang.ca
- Implemented **React** hooks and Stateful components for displaying dynamic webpage components

PollApp | *Java, AWS S3, Maven, Bolt SDK* | [GitHub](#)

Jul 2022 – Sep 2023

- Developed an open-source meeting date/time polling application for 4 Slack workplaces using **Maven**
- Implemented **AWS S3** database to allow users to save poll results; accomplished via **AWS SDK** for Java
- Processed Slack HTTP requests using **Bolt SDK**; authenticated backend service using **OAuth** Tokens

EXPERIENCE

Software Developer

Nov 2020 – May 2021

Improvall | [GitHub](#)

Toronto, CA

- Led a team of 4 to build mobile app for iOS and Android using **Flutter**; available on the [Google Play Store](#)
- Implemented global leaderboard to promote productivity using **Firebase Firestore** database
- Leveraged asynchronous programming techniques in **Dart** to implement various **API** calls
- Collaborated with other teams on UI/UX design using **Figma**; delegated tasks and managed other programmers

Founder and Chairman

Sep 2019 – Present

FOCUS Youth Organization

Markham, CA

- Led over **100** executives to grow charitable organization; created and oversaw 4 chapters across Canada (Ottawa, Vancouver, Oakville, Markham); facilitated inter generational collaboration with various NPOs and charities
- Recruited, delegated and managed tasks for each executive; negotiated sponsorship deals with various businesses; chaired all meetings; impacted over **1000** students through charitable programs

Youth Advisory Council Member

Aug 2021 – Present

Youth & Innovation Project, University of Waterloo

Waterloo, CA

- Provided strategic & policy insight to NGOs; conducted research on academic papers about youth engagement
- Represented the Council at conferences, policy meetings, and provided civil societies with commentary

Elections & Referendum Committee Member

Oct 2022 – Present

Waterloo Undergraduate Student Association (WUSA), University of Waterloo

Waterloo, CA

- At-large voting member on final verdicts of elections and referendums disputes; maintain integrity of elections

Crew Member

Jul 2021 – Nov 2021

Cineplex Entertainment

Richmond Hill, CA

- Greeted over **2000** guests daily to improve customer relations; trained new team members