



CHRIS DIELSCHNIEDER

DEVELOPER

FULL-STACK, HARDWARE, NATIVE, MOBILE

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More: <https://chrisdel101.github.io/chris-del-portfolio/>

EXPERIENCE

TECHNOLOGIES | YEARS

• Javascript, ES6, Node, TypeScript	5+
• Python, Flask, Django	5+
• C/C++	5+
• React	5+
• Vue	2
• SQL/Postgres	5
• Ruby, Rails	2
• Elixir/Phoenix	1

SOFTWARE + HARDWARE DEVELOPMENT INTERN

Lytehorse Labs | May 2022 - Aug 2022 | Regina, SK

- As the single developer in charge of this project, my overall job was to develop software to run a custom built dynamometer for use in testing the company's flagship electric ATV.
- Primary task #1 was to develop native software using Python. Tools used included Tkinter for GUI, plus multithreading and TCP socket APIs for async operability.
- Primary task #2 was to develop logic for Arduino in C language. Handled serial input from Python, handled serial input from motors, and returned appropriate serial responses.

Top Skills: Python, C, Native Development, Arduino, SDLC, Multi-Threading, Sockets

FRONT-END DEVELOPMENT INTERN

54e Dev Studios | Jan 2022 - May 2022 | Regina, SK

- Overall job was to develop new client-side features for company's internal content management system using React and Typescript.
- Primary task was to work on features such as adding/removing page elements, i.e buttons, radios, etc, as well as adding all operational logic.
- A secondary task was adding responsive design to the CMS. After noticing many pages were not responsive, I made them mobile-friendly. This improved usability.
- Additional tasks included monitoring build pipeline for errors, assuring the smooth merge of pull requests, and participating in code reviews.

Top Skills: React, TypeScript, Formik, Styled Components, React-Table-Data-Component

FULL-STACK DEVELOPMENT INTERN

Raven Industries | May 2021 - Aug 2021 | Regina, SK

- Overall jobs were to: develop new client-side features on ground control driving simulator for autonomous vehicle OMNiDRIVE, as well as to increase back-end systems test coverage.
- Primary task #1 was to create components to expand simulator functionality using React.
- Primary task #2 was to write unit tests for back-end vehicle systems using Python. I increased coverage by 10% during my term.
- Presented end-of-term project to select company leadership, showing my simulator work.

Top Skills: React, JavaScript, Python, Pytest, Unit-Testing, Styled Components, Github

FULL-STACK DEVELOPMENT INTERN

Sasktel | July 2020 - Dec 2020 | Regina, SK

- Overall job was to develop and test new client-side features for telecom website sasktel.ca across across multiple environments i.e. Testing, Pre-Prod, Prod.
- Primary task was to fulfill assigned tickets including adding/removing page elements, such as buttons, radios, etc, as well as adding all operational logic.
- Secondary tasks included investigating and fixing bugs reported by QA testers.

Top Skills: JavaScript, CSS, HTML, Angular1, Java, Multi-Env Development

FRONT-END DEVELOPER

Virtual High School | June 2017 - Sept 2018 | BayField, ON

- Overall job was to develop new client-side features for company's internal content management system using Vue and Javascript.
- Primary task was to develop interactive educational tools, such as matching drag-and-drop games, which were used inside school's courses.
- Secondary task #1 was to write test coverage for all client-side logic. Setup Mocha/Karma/Chai suite for this purpose and increased coverage from zero to 100% of all client-side logic.
- Secondary task #2 was to maintain project documentation, generated by JSDoc.

Top Skills: JavaScript, Vue, CSS, Less, FTP, Unit-Testing, CMS, Webpack

SKILLS

- Creative Problem Solving
- Object-Oriented Design
- Small Open Source Contributions
- Functional Programming
- Full-Stack Development
- Networks
- Hardware
- Public Speaking/Writing

EDUCATION

2019-2023

BACHELORS OF SCIENCE:

Computer Science

University of Regina

2016

WEB DEV IMMERSIVE

General Assembly Toronto

2012-2014

MASTER OF FINE ARTS:

English

City College of New York

2009-2012

BACHELOR OF ARTS:

English

City College of New York

INTERESTS

- Film & Music
- Dogs
- F1 & Racing
- Coding
- Fiction & Sci-fi