

Taylor Petrychyn

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EDUCATION

UNIVERSITY OF REGINA

B.ENG IN SOFTWARE SYSTEMS
Completed April 2019 | Regina, SK
VP External Engg Students' Society

SKILLS

TECHNICAL SKILLS

Proficient With:

Golang • Javascript (ES6) • Angular
React • Java • NodeJS • MariaDB
Python • HTML5 • CSS3 • Git
Docker • Kubernetes • Jenkins
Unix • Agile • Encryption

SOFT SKILLS

Outstanding:

Communicating Complex Ideas
Public Speaking
Teaching
Working in a team

AWARDS

WESTERN ENGINEERING COMPETITION

1st Place | Winnipeg, MB | Jan 2019
Implemented A* algorithm to automate snow removal in a grid area

CANADIAN ENGINEERING COMPETITION

3rd Place | Waterloo, ON | Mar 2019
Programmed an AI to automate waste management of a restaurant

HACKREGINA WINTER

1st Place | Regina, SK | 2019
Integrated with Wolfram Mathematica to predict the spread of flu symptoms via Tweets

GAME DEV BOOTCAMP

Chisinau, Moldova | Jul 2018
Chosen as only Canadian to attend a two week game development bootcamp hosted by the Board of European Students in Technology

HACKREGINA FALL

1st Place | Regina, SK | 2018
Combined DialogFlow and Twilio to enable a rescue worker to use natural language processing in the field

WORK EXPERIENCE

VIVVO APPLICATION STUDIOS | LEAD DEVELOPER

Dec 2019 - Present | Regina, SK

- Led design, implementation, and deployment of Identity centric product to 5 provinces and over 100,000 users
- Ran stand-up, refinement and retrospectives for a team of 6
- Onboarded and trained team members

VIVVO APPLICATION STUDIOS | SOFTWARE DEVELOPER

Sept 2017 - Nov 2019 | Regina, SK

- Designed a state of the art passwordless mutual authentication system and presented at Collision Conf 2019 - (Golang, Kotlin, Swift, MariaDB, E2EE)
- Reduced deployment times by 300% by implementing Jenkins artifact deployment pipelines - (Jenkins, Docker, Kubernetes, Golang)
- Completed a modern rewrite of a system to manage over 40,000 documents and publications for a government client

GASBUDDY | CO-OP SOFTWARE DEVELOPER

Jan 2017 - Apr 2017 | Regina, SK

- Developed a dashboard to aggregate metrics for over 31,000 retail locations which went on to win CSP's Best New Product Award 2017 (NodeJS, JQuery, Postgres, Webpack, Bootstrap)

IQMETRIX | CO-OP SOFTWARE DEVELOPER

Jan 2016 - Apr 2016 | Regina, SK

- Integrated Github and TFS APIs to build project management and analytics dashboards

MSI COMPUTER CAMPS | DIRECTOR

Jul 2011 - Present | Regina, SK

- Led meetings to plan an annual two-week camp to teach kids programming concepts; planned and delivered several lessons on Cryptocurrency, Game Development, and Algorithms

TECHNICAL PROJECTS

INTELLIGENT DEAL FINDER | REACT NATIVE, NODEJS

Jan 2019 | Regina, SK

Aggregated food and beverage deals from Regina, SK and matched users preferences to ongoing deals. Over 100 locations and 400 specials populated in the application.

CAMP COIN | CRYPTOCURRENCY, PYTHON, REACT

Jul 2018 | Regina, SK

Built a blockchain and cryptocurrency from scratch in Python with a React dashboard to display the blockchain and wallet balances. Kids at the MSI Computer Camp mined the coin and used it to purchase treats and prizes throughout the week.

AUTOMATED DOOR OPENER | TWILIO, NODEJS, ALEXA

Dec 2019 | Regina, SK

Connected my apartment door buzzer system to Twilio with a custom NodeJS backend. Included mobile application and Alexa integration to open the door via command.

MORE PROJECTS AND SOURCE CODE AT PETRYCHYN.DEV