

THOMAS NETER

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Skills

JavaScript | TypeScript | React | Redux | Vue | Node | Express | jQuery | Jest | Sinon | Firebase | Docker | AWS
Python | Flutter | SQL | NoSQL | Google BigQuery | Git | REST | Frontend | Backend

Experience

User Experience Engineer | Sublettr

Waterloo, ON 06/2021 - 10/2021

- Designed and implemented key features using Flutter and Firebase, including property listings, search functionality, and user authentication, while managing the project timeline to ensure the successful delivery of the app.
- Employed user-centered design and made feedback-based iterative improvements, increasing user satisfaction by 30%.

Software Engineer Intern | Lifion by ADP

New York City, NY 05/2021 - 08/2021

- Streamlined Google Analytics use by designing a comprehensive guide for analytics workflows; analyzing design patterns, researching usability principles, and interviewing stakeholders to enhance users' behavioral insights.
- Accelerated the launch of the internal test-automation dashboard by several weeks, leveraging React, Express, Jest, and Kubernetes to build crucial features and subsequent tests.

Software Developer Intern | Geotab

Oakville, ON 09/2020 - 02/2021

- Prototyped an internal phrase-sentiment visualization application using React, Redux, Cytoscape, Plotly, Material UI, Python, SQL, Google BigQuery, and Docker, capable of handling over 1 million data points.
- Utilized React, Redux, Tabulator, and Google BigQuery to develop an effective company-wide metadata management tool, empowering data-ownership and facilitating the efforts of 70+ data scientists in R&D.

Full Stack Developer Intern | 360Insights

Whitby, ON 01/2020 - 04/2020

- Enhanced user experience and integrated REST API endpoints within the rebate details screen using React and Express, simultaneously adding functionality for clients' donation campaigns and reducing call-center load by 12%.
- Streamlined Sales Associates' access to qualification data for all programs by creating a data export tool that transformed data into CSV format using React, Express, and Node-Xlsx, saving over 1500 hours annually.
- Ensured high-quality delivery of projects in an Agile team by following test-driven development principles and achieving 100% test coverage using Jest, Sinon, Chai, and Enzyme.

Web Developer Intern | Digital Extremes

London, ON 05/2019 - 08/2019

- Led the development of DE's website redesign, utilizing Laravel, NodeJS, jQuery, VueJS, Node-Vibrant, and SASS
- Designed a back-end portal using PHP and MongoDB for managing 200+ existing articles and future news posts.
- Created a game-show with Node, NodeCG, and Twitch/Mixer API's, viewed by over 50,000 live viewers at TennoCon.

Projects

- **Spotify "Blends" 2.0:** Experimented with various machine learning techniques to generate playlists that combine the music tastes of several Spotify users via Python (pandas, sklearn, numpy) and Spotify API. (04/2022)
- **Monkey Evolution Sim:** Designed a Python (pygame, numpy) natural selection simulation to study the correlation between various features (durability, speed, perception) and evolutionary trends. (10/2021)

Education

B.A.Sc, Systems Design Engineering | University of Waterloo

Waterloo, ON 09/2017 - 04/2022

Awards

Adel Sedra Entrepreneurship Award | University of Waterloo

Waterloo, ON 04/2022

Best Hack for Social Good | HackHarvard

Cambridge, MA 10/2018

President's Scholarship | University of Waterloo

Waterloo, ON 01/2018