# CONTACT INFO

# Mailing Address

James Spears  
Toronto, ON  
(416) 827-3687

# Links

* [james.w.spears@gmail.com](mailto:james.w.spears@gmail.com)
* [GitHub](https://github.com/jameswspears) - [Fork this resume](https://github.com/jameswspears/resume)
* [LinkedIn](https://www.linkedin.com/in/james-spears-50834b8a/)
* [MS Word format](https://s3.amazonaws.com/james-spears.com/resume.docx)

# INTRO

# About Me

I am passionate about software. I am currently a lead software developer creating impactful products that lead to great user experiences.

# EDUCATION

University of Waterloo, Waterloo, ON  
Bachelor of Science, General Science,  
commencement Fall 2018

Durham College, Oshawa, ON  
Advanced Diploma, Electromechanical Engineering Technologist,  
commencement Fall 2011

# EXPERIENCE

# BMO Financial Group

BMO Financial Group is a highly diversified financial services provider offering a broad range of personal and commercial banking, wealth management and investment banking products and services to over 12 million customers.

|  |  |
| --- | --- |
| Development Lead - [BMO Financial Group (OLBB)](https://bmo.com), Toronto, ON | Jan 2022 - Present |

* Team building and mentoring Jr. developers
* Develop and maintain Angular frontend applications
* Serverless backend development with API Gateway, AWS Lambda, DynamoDB
* Operate under Agile SDLC using Jira, Bitbucket, and Confluence

# WebsiteBox

WebsiteBox is a late stage SaaS startup offering website hosting and WYSIWYG website design to real estate agents and brokers.

|  |  |
| --- | --- |
| Node.js Developer - [WebsiteBox](https://websitebox.com), Toronto, ON | Feb 2021 - Dec 2021 |

* Developed and maintained Angular & AngularJS front end applications and supporting express microservices.
* Worked extensively with the Stripe API and contributed to the migration from a legacy billing platform.
* Experience working with Elasticsearch, Apache Cassandra, and MySQL (MariaDB) at scale.

# FliteX

FliteX is an early stage startup aiming to be a major disruptor of the airline business. Offering flight route optimization via a SaaS model.

|  |  |
| --- | --- |
| Full Stack Developer - [FliteX](https://flitex.net/), Oshawa, ON | March 2020 - June 2020 |

* Prototyped a map based SPA used for flight route optimization
* Ported MATLAB to Python (numpy, scipy)

# Wysdom AI

Wysdom AI is a late stage startup and artificial intelligence company offering virtual assistant software via a SaaS platform. The Wysdom AI chatbot product was initially designed to service the needs of large telecoms.

|  |  |
| --- | --- |
| AI Automation Specialist - [Wysdom AI](https://wysdom.ai), Richmond Hill, ON | June 2019 - March 2020 |

* Automated chatbot testing in Python.
* Developed web based business process automation tools and applications
* Contributed to the development of a prototype data pipeline which used audio filters (FFmpeg) to manipulate mp3 formatted data

# SKILLS

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* HTML
* CSS
* JavaScript
* TypeScript
* Node.js
* Angular
* Python
* AWS
* Git
* Agile
* CI/CD
* IaC

# CERTIFICATIONS

* AWS Certified Solutions Architect Professional, *SAP-C02*, [Verify](https://www.youracclaim.com/badges/6768bef0-a7c0-42a6-9b36-6e13351250be)
* OpenJS Node.js Services Developer, *JSNSD*, [Verify](https://www.youracclaim.com/badges/d17570bd-2145-4cc2-9645-673fc3f6947e)
* OpenJS Node.js Application Developer, *JSNAD*, [Verify](https://www.youracclaim.com/badges/76bcd62c-af5b-4957-b9ef-533403369d8d)
* AWS Certified Solutions Architect (Associate), *SAA-C02*, [Verify](https://www.youracclaim.com/badges/4b572dd0-85e9-45f5-90f8-90a68cd3399f)
* AWS Certified Cloud Practitioner, *CLF-C01*, [Verify](https://www.youracclaim.com/badges/48063b2f-6f7f-4b6c-a040-5c42393c4bc0)
* Certified Associate in Python Programming, *PCAP-31-02*, [Verify](https://www.youracclaim.com/badges/bfd6aae6-1ab4-461b-8a62-f25cfb0bd29d)

# PROJECTS

# Web App

Video Summarizer - ([Demo](https://video-summarizer.pages.dev/)) - Alpine.js and TailwindCSS for styling. Uses WASM (if available) and the OpenAI API.

# Web App

Map Application - ([Demo](https://tripsultant.com)) - Angular 12 and NgRx for state management. Microservices are implemented in Golang and JavaScript.

# EXTRA- CURRICULARS

* [Waterloop](https://teamwaterloop.ca/) - Team Leader Magnetic Wheel. Competed at SpaceX [Hyperloop Pod Competition](https://en.wikipedia.org/wiki/Hyperloop_pod_competition) 2017.

# PUBLICATIONS

* [Approaching special relativity in complex time](https://www.nrcresearchpress.com/doi/abs/10.1139/cjp-2017-0089?journalCode=cjp#.X3Z1_GhKiUk), Can. J. Phys., **95(10)** (2017) 923-926., Mathematical/theoretical physics, logic, set theory, and algebra

# AWARDS

* [Pascal Mathematics Contest](https://www.cemc.uwaterloo.ca/contests/pcf.html), School champion, percentile.