

# WILLIAM A. BURGESS

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## EXPERIENCE

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### Plotly

*Software Engineering Manager*

Montreal, QC

*April 2021 to Present*

- Leader of the [open-source](#) dashboard and graphing libraries team

*Software Developer*

*July 2018 to Present*

- Primary developer & co-creator of [Dash Design Kit](#), the Python & R design framework for [Dash Enterprise](#)
- Core contributor to [Dashboard Engine](#), Dash Enterprise's GUI layout and crossfiltering tool
- Contributor to open-source data science and visualization libraries [Dash](#) (14k ☆) and [plotly.js](#) (13k ☆)

### FFunction

*Software Developer*

Montreal, QC

*January 2018 to June 2018*

- Data modelling, design, and rendering for boutique data visualization studio FFunction
- Created interactives for [3M](#) and the [Canadian Cancer Society](#)
- Past clients of the studio include UNESCO, Google, Edelman, and National Geographic

### Autodesk

*Software Developer Intern*

Montreal, QC

*May 2017 to August 2017*

- Interned on the infrastructure team for [Autodesk Forge](#), a computer-aided design (CAD) cloud platform
- Worked with Node.js, Git, Apache Groovy, and Python to optimize integrating and testing web software

### Paper

*Software Developer Intern*

Montreal, QC

*June 2016 to August 2016*

- Developed chat-based live tutoring platform for ed-tech startup [Paper](#) (formerly GradeSlam)
- Deployed major product features, including in-browser audio recording and messaging, authentication throttling, and user settings, using PHP (Laravel) and Node.js

### McGill Administration

*Web Developer*

Montreal, QC

*September 2014 to May 2016*

- Redesigned and maintained the [website](#) for the McGill Faculty of Arts' academic advising office

### McGill Tribune

*Web Developer*

Montreal, QC

*September 2014 to May 2016*

- Redesigned [mcgilltribune.com](http://mcgilltribune.com), adding responsive layout and migrating to a new server
- Created a new microsite every week of the semester for each feature article
- Instituted new backend/analytics web position, doubling average pageviews and page speed

## EDUCATION

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**McGill University** | Montreal, QC

*B.A. | Double Major, Software Engineering & Philosophy | Minor, Music Science & Technology ([MST](#))*

## LANGUAGES

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- **Proficient:** Javascript, React, Node.js, Python, PHP, HTML, CSS,  $\LaTeX$
- **Familiar:** C, C++, Java, F#, Ruby, Assembly

N.B. References available upon request. I am a dual citizen and thus legally authorized to work in both the United States and Canada. Portfolio with additional projects available on my personal website, [wbrgss.com](http://wbrgss.com).