DENIZA MALATAEVA

2B Computer Engineering
University of Waterloo

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SKILLS

JavaScript,
HTML, CSS (SASS)

Java, Python,
C, C++, C#
Matlab

TOOLS

React.js, Node.js
WebGL, OpenGL

Express.js, Websockets
AJAX, OAuth

Git, SVN
JIRA, TFS

SOFTWARE

AWS (EC2, S3)
Google Cloud
Microsoft Azure
Firebase, ElasticSearch

macOS, Linux, Windows

ACTIVITIES

1B ECE Class
Representative

2B UW EngSoc Arts
Director

2B UW EngSoc Software
Workshops Director

WORK EXPERIENCE

ScribbleLive   Toronto, ON
Software Developer   May 2017 – Aug 2017

- Created a back-end chat widget by using **React.js** and **Moment.js**, providing direct communication between live-stream editors/readers
- Restructured **Node.js** and **backend microservices** to introduce tag-searching capability into live-streams
- Implemented legacy functionalities into the newer solutions, which incentivized **17% more customers** to migrate from legacy
- Piped stream data for easy integration with **AWS S3** and **ElasticSearch**

ScribbleLive   Toronto, ON
Software Testing Developer   Sept 2016 – Dec 2016

- Developed testing automation projects with **Selenium**, reducing testing time by **more than 30%** in later sprint cycles
- Gained valuable mentorship in microservices implementation using **Websockets** and **React.js**

Genetec   Montreal, QC
Programming Analyst   Jan 2016 – Apr 2016

- Scripted customizations into **Dynamics CRM** using **C#**, accelerating processes related to business logic and customer data
- Monitored and hot-fixed bugs in the **ASP.NET** stack to ensure successful deployment sessions

PROJECTS   github.com/dmalataeva

Visualyrics   **(WebGL, Python, APIs – Watson IBM, Semantria, Genius)**

- Implemented natural language processing in a web app which analyzes song lyrics in terms of sentiment, both quantity and magnitude

Sandbox   **(JS, React.js, SASS, Firebase)**

- Simple and embeddable chat widget built with Firebase, supporting customizations and multiple user conversations

Brainiac   **(Python, SmallBasic, Photoshop & Illustrator)**

- Fast-paced arcade style game created for international students to learn Math, Chemistry, English and Computer Science
- Approved by experts in subject fields, subsequently 'virally' uploaded onto school computer lab desktops for maximum usage results

Electroencephalograph

- A digital circuit which reads alpha and beta waves from body electrodes and sends the filtered measurements to a laptop via the audio port