Boris Kudryavtsev

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Education

University of Victoria   *Victoria, BC*
Bachelor of Science, Computer Science   *May 2021*

Skills

Languages	JavaScript (ES6+), Node.js, HTML5, CSS3, Sass (SCSS), Python, Java
Libraries	React, Lodash, D3.js, svg, numpy, matplotlib, pandas
Tools	Webpack, Yarn, npm, Electron, Vim, Docker, WebSockets
	Git, GitHub, Google Cloud Platform, Jira, Confluence, Jenkins
Databases	Oracle, SQL, MongoDB, RDBMS and NoSQL concepts
Platforms	Linux/UNIX, macOS, Windows
Design	Adobe XD, Figma, Balsamiq

Experience

Software Engineer I   *Vancouver, BC*
Mastercard   *May 2021 - Present*

- In an Agile environment, support the development of core components of the Decision Management Platform (DMP), Mastercard's transaction fraud prevention system
- Participate in platform migration efforts to new footprints, by troubleshooting new deployments and writing migration and cleanup scripts
- Write thorough unit and integration tests for Java Spring Boot modules with JUnit, Mockito/PowerMock and complete mutation test requirements with pitest, following test-driven development practices
- Develop multi-use Java command line tool for rule operations in a rule management system
- Participate in the low-level design of platform components and their implementation
- Collaborate with team members and mentors through regular discussions, demos, and meetings

Front-end Developer Intern   *Santa Clara, CA*
DeGirum Corporation   *June 2020 - September 2020*

- Developed and maintained a web application for the design, visualization, and generation of neural network models.
  Available: https://degirum.com/GraphitAI
- Used SVG libraries to create a powerful design tool to assist professionals and students in rapidly developing neural networks with an intuitive drag-and-drop interface
- Utilized modern JavaScript (ES6+) and libraries including React.js, lodash, and many others
- Created fast, beautiful, and reactive interfaces for data visualization and input
- Generated Tensorflow/Keras code from user-designed graphical models
- Utilized GitHub Actions for continuous deployment
- Provided cross-platform desktop support with Electron.js

Web Development Intern   *Livermore, CA*
Sandia National Laboratories   *May 2019 - August 2019*

- Worked in a fast-paced, Agile environment to develop a web application for the visualization of radiological and nuclear detection data
- Developed elegant and reusable user interfaces with React.js
- Interacted with Node.js and MongoDB backend through a RESTful API
- Utilized modern JavaScript and popular libraries, such as axios, D3.js, React Redux, lodash, and others
- Expanded Node.js/Express.js backend adding new API functionality

Projects

Street View Adventure

github.com/bkudryavtsev/street-view-adventure

- Developed a web-based geography guessing game utilizing the Google Maps JavaScript API
- Designed and implemented user-friendly interface for the simultaneous manipulation of Google Maps and Street View, as well as the display of score and user information
- Used Firebase as a backend for data and session storage for account-less (link shared) multiplayer mode