Mikhail Sinitcyn

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TECHNICAL SKILLS

Languages: JavaScript, TypeScript, C++, C, Python, MATLAB, HTML, CSS, SQL, Assembly
Frameworks/Libraries: React, Node, Express, Socket, Material UI, Ant Design
Applications: Git, MongoDB, Heroku, Microsoft Azure, PostgreSQL, Wireshark, Postman, Lucidchart

ACADEMIC PROJECTS

Document Database for FortisBC (TypeScript, React, Express, HTML, CSS) *Simon Fraser University*
CMPT276: Introduction to Software Engineering *February - April 2022*
- Collaborated with team of developers on a document database application for FortisBC
- Implemented secure authentication and user permissions with the Microsoft AD API
- Developed functionality to export JSON data as pdf using html-pdf, fs, and blob
- Maintained workflow and version control using DevOps tools such as Jira and GitHub
- Hosted the application on Heroku, running on Amazon Web Services (AWS)
- Communicated weekly with FortisBC engineers to ensure compliance with requirements engineering and federal utilities regulations

Blood Bank Database (Express, JavaScript, HTML, CSS, SQL) *Simon Fraser University*
CMPT354: Database Systems *June-July 2022*
- Composed complex queries such as division, nested aggregation and grouping
- Applied database design principles such as 3NF and BCNF
- Designed the entity relation diagram using Lucidchart to demonstrate cardinality and dependency constraints

Routing Table (Python) *Simon Fraser University*
CMPT371: Data Communications and Networking *April 2022*
- Created functions to process subnet masks and route ip addresses using binary operations
- Simulated routing protocols within real network systems

WORK EXPERIENCE

OS Marine *Maple Ridge, BC*
Marine Technician's Assistant *June 2018 – August 2021*
- Assembled and installed marine equipment such as consoles, radios, GPS devices, canopies and steering wheels
- Assisted in preparing and transporting marine vessels, installing marine technology, and interacting with partnered firms
- Communicated with marine electricians on workflow and installation practices

VOLUNTEER EXPERIENCE

École Dr. Charles Best Secondary School *Coquitlam, BC*
Web Development Tutor *January - March 2019*
- Created and taught a series of lectures on web development and graphic design as a peer tutor

EDUCATION

Simon Fraser University *Burnaby, BC*
Bachelor of Science in Computing Science *Expected 2024*