Winkel Yin

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Winkel515 🎧
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🎓 Education

| **Montreal, QC** | ▽ **Concordia University** | **Sep. 2019 – May 2021** |

- Bachelors in Computer Science
- GPA: 4.10/4.30 dropped out at 51/90 credits
- Relevant Courses: Object-Oriented Programming I & II; Operating Systems; Advanced Program Design with C++; Data Structures and Algorithms; Databases; Web Programming

💼 Experience

| **Software Engineer, Intern** | ◢ **Autodesk** | **Jan. 2022 - Sep. 2022** |

Forge Data Team
- Developed a mock GraphQL server to allow customers to test the GraphQL API without authentication
- Serialized a tree data structure to JSON with the use of Polymorphism
- Devised a script to convert GraphQL schema to documentation files
- Conceptualized and implemented a React app to visualize a graph data structure and query results
- **Technologies: TypeScript, JavaScript, React, GraphQL**

| **Software Engineer, Intern** | **SAP** SAP | **May 2021 - Sep. 2021** |

Marketing Cloud Team
- Tested the front-end application of the Marketing Cloud application
- Wrote OPA5 automated tests for the SAPUI5 Marketing Cloud application
- Contributed to increasing code coverage and reducing bugs
- **Technologies: JavaScript, SAPUI5, OPA5, ABAP**

| **Sofware Developer, Intern** | ◔ **OrangeAd** | **Jun. 2020 - Dec. 2020** |

OrangeAd Media Team
- Developed a drag and drop interface for creating individual slides as well as slideshow presentations
- Built a slideshow player to display the presentations with transition, image and video support
- Wrote Elasticsearch queries to aggregate data collected from sensors of digital displays
- Implemented an AWS Lambda functions to resize images into multiple dimensions
- **Technologies: VueJS, JavaScript, Postman, AWS, NodeJS and GraphQL**

💡 Projects

| **Personal Website** | **GitHub** | **Website** |

- **Technologies: NextJS, Typescript, Tailwind, Material UI**

| **Cringe Bot** | **GitHub** |

- Discord Bot used in my Discord Server
- Collaborative project with friends to make the Discord server more fun
- Various features such as translating Chinese to English, Weather, Leetcode stats and more
- Hosted on an AWS EC2 Instance to have it running at all time
- **Technologies: Typescript, AWS EC2, Postgres, Discord.js, DeepL**

| **RSA Encrypted Chat App** | **GitHub** |

- Implemented RSA encryption from scratch using Modular Arithmetic and Number Theory
- Real time chat application made for Android where messages are end to end encrypted
- Used Firebase as a backend for real time communication
- **Technologies: Java, Android, Firebase**

⚒️ Skills and Qualifications

Programming	Frontend: HTML • CSS • React • Vue • NextJS • Android Studio • Tailwind • Material UI • Flutter
	Backend: NodeJS • Express • Spring Boot • GraphQL • Postgres • MongoDB • AWS Lambda • AWS EC2
	Languages: JavaScript • TypeScript • Java • C++ • Python
Operating Systems	Windows • MacOS • Mobile (Android & iOS)