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✉️ winkel5256@gmail.com

Winkel Yin

Winkel515 🎧
Winkel Yin 💼

💼 Experience

Back-end Developer	💲 **Simpliphi**	**Sep. 2023 - Present**

- **Technologies: PHP, Laravel**

Back-end Developer	**Videri**	**Nov. 2022 - Sep. 2023**

- Implemented API endpoints to support a Digital Signage infrastructure
- Worked with a micro-service architecture
- Resolved bugs affecting the behavior of endpoints
- Flexed as a front-end developer when business requirements demanded it
- **Technologies: TypeScript, NestJS, Java, Sprint Boot, React, Postgres**

Full-stack Developer, Contractor	🄷🄳 **helloDarwin**	**Jul. 2023 - Sep. 2023**

- Converted the tagging system from local JSON to Postgres to allow editing
- Reworked the front-end tag translation to use a back-end service
- **Technologies: Go, React, TypeScript**

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 RST documentation files
- Conceptualized and implemented a React app to visualize a graph data structure and query results
- **Technologies: TypeScript, React, GraphQL, RST**

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

Marketing Cloud Team
- Wrote OPA5 automated tests for the SAPUI5 Marketing Cloud application
- **Technologies: JavaScript, SAPUI5, OPA5, ABAP**

Sofware Developer, Intern	⊙ **OrangeAd**	**Jun. 2020 - Dec. 2020**

- 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**

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
- **Technologies: Java, Android, Firebase**

🎓 Education

Montreal, QC	♆ **Concordia University**	**Sep. 2019 – May 2022**

- Bachelors of Computer Science
- GPA: 4.10/4.30

⚗️ 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 • PHP • Go • C++ • Python • Dart