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# YUFENG LI

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## Skills

- **Frontend:** React, Next.js, Angular, Three.js, GraphQL, tailwindcss, Mobx, rxjs
- **Backend:** Rust, Node.js, PostgreSQL, MongoDB, grpc
- **Tools:** Docker, Kubernetes, AWS cli, Python

## Experience

### Full-stack Developer, spaice ([pro.spaice.ca](http://pro.spaice.ca)) — 2020-Present

- Architected the frontend structure and implement frontend using React and Next.js, the frontend incorporates SSR, GraphQL, Hooks API. Created the three.js based 3D design tool and canvas based 2D mood board tool in browser. The design tool is for making home designs by dragging furnitures and constructs into a 3D scene. The mood board is for generating a booklet for presenting.
- Developed the backend which uses Rust, PostgreSQL and manage multiple services written in Rust or Node.js. The backend delivers api in GraphQL standard, the services communicates with each other via grpc. The backend is responsible for calculating quotation for home design, managing orders/accounting/products/designs.
- Handled AWS message queue SQS via a Node.js service, implemented all grpc calls to Rust server and stores user notifications in MongoDB.
- Synced and managed subscription and online payment through Stripe.
- Participated in maintaining the deployments using Kubernetes and Docker.
- Participated in creating GitHub action workflow and CI workflow.

### Frontend Developer, Ventmere — 2019-2020

- Developed the frontend for various services in React and Angular. Creating interactive dashboards and analytics for marketing and merchandising.
- Implemented a template decoder for generating excels with custom syntax.
- Designed pipelines to sync product data with various marketplace like Amazon, Newegg, etc.
- Participated in maintaining the backend and fix numerical or display issues.

## Education

### University of Toronto — Honours Bachelor of Computer Science, 2014-2019

## References

**Website:** <https://portfolio-derekli19951103.vercel.app>

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