Kester Tan

Education

Carnegie Mellon University   **Pittsburgh, 2025**
B. Sc. Information Systems + Computer Science

Work Experience

AutoLab | Software Engineer | *Python, Ruby on Rails*   **Nov '22 - Current**
- Building auto grading software used by colleges all around the country

ZUZLab | Software Engineer | *TypeScript, React*   **Sept '22 - Current**
- Building a marketplace that facilitates the exchange of digital currency on the blockchain

Hypotenuse AI (YC 20) | Product & Business Development | *Python, JavaScript, Figma*   **Feb '22 - Aug'22**
- Created an event-tracking system to drive in-depth data analytics, key business decisions & targeted customer engagement campaigns
- Conceptualized and implemented improvements for mobile responsiveness and UI/UX
- Designed and created web pages, ranked on the first page of Google and reached over 2000 views/month
- Improved user authentication process using email verification APIs
- Product management of new features

ShopBack | People Operations & Talent Acquisition | *Python*   **Jan '20 - Mar'20**
- Created a HR request tracker to improve the process of internal requests in the company, used by 100+ employees

Projects

HowYa | *Swift, Node.JS, Prisma ORM, CockroachDB, Keras*
- AI mobile app that obtains user sentiment from journal entries

Reversi.AI | *Python, Sockets*
- Reversi with multiple levels of AI difficulty and online multiplayer functionality

Telegram Bots | *JavaScript, Telegraf*
- Crypto Bot amongst other Telegram bots for regular crypto updates

The Daily Bugle | *Node.js, Express.js, EJS, Lodash, MongoDB*
- [Website](#) for users to log their blog entries

This is Finance | *JavaScript**, Flask*
- Finance planning calculator used by my friends

Other

Canoe Sprint | Ex-Singapore U18 Team, Exco of high school team   **Jan '14 - Dec'19**
- 22x National Medalist

Republic of Singapore Air Force | Lieutenant, Air IMINT Officer   **Mar '20 - Feb' 22**
- Managed daily conduct and training for 120 cadets
- One of 37 officers chosen for the National Day Parade and SAF Day Parade, nationally broadcasted events

Project Innervate | Co-founder, Exco   **Mar' 16 - Current**
- Created a non-profit project to raise awareness for Parkinson's Disease, 1st @International [FPSP conference](#)