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