# Ernest Tan Cheng Wei

+1 (646)-961-5549 | ernesttancw@gmail.com | www.linkedin.com/in/ernesttan23 | https://ernesttan.com/

## EDUCATION

**Columbia University in the City of New York**                                          New York, NY
*Candidate for Bachelor of Arts in Computer Science*                                    Expected Dec 2022
- ***Relevant Coursework:*** Advanced Programming (C, C++, and Git), Data Structures, (Java), Human Centered Design and Innovation, Introduction to Databases (Python and MySQL), Programming Languages and Translators (Ocaml and Python), User Interface Design (Javascript and Python)

## SKILLS AND TECHNOLOGIES

**Languages:** CSS3, HTML5, Java, Javascript, Python, SQL
**Frontend Technologies:** Bootstrap, CSS Grid, Flexbox, jQuery, React
**Backend Technologies:** Firebase, Git, MySQL, Node.js, Webpack

## TECHNICAL EXPERIENCE AND PROJECTS (https://github.com/ernesttan)

**Portfolio Site**                                                                       New York, NY
*React Application*                                                                      May 2022 - May 2022
- Utilized **Figma** to design the interface of website for ease of development
- Developed application using **React** and **Tailwind** to create dynamic components
- Hosted and deployed application on **Firebase**

**Friday**                                                                               New York, NY
*Task Planning Application*                                                              Apr 2022 - Apr 2022
- Designed and developed a CRUD application using **Javascript** to allow users to add, edit and delete tasks
- Used **NodeJS**, npm and Webpack to translate and combine all necessary Javascript and CSS files
- Utilized CSS Grid to achieve a responsive layout on all screen sizes

**Umami**                                                                                Singapore, SG
*Social Network Application*                                                             Jan 2021 - Dec 2021
- Worked cross-functionally with a team of 4 designers and engineers to align goals and produce a working prototype
- Collaborated with UX team to create user personas, scenarios, user journeys, story maps, and user flows
- Utilized agile practices for project management to ensure feedback from users are quickly implemented

## WORK EXPERIENCE

**Columbia Build Lab**                                                                   New York, NY
*Software Engineer Intern*                                                               May 2022 - Present
- Collaborating with a team of 3 engineers and designers to develop a professional networking application
- Performing frontend development using **React**
- Constructed company website with **Javascript** and **Python** to help gain initial users

**Launcho Ventures**                                                                     Singapore, SG
*Venture Intern*                                                                         Jul 2020 - Nov 2020
- Supported the venture studio launch by conducting market, product and technology research to identify new ventures
- Assisted in the founding of Launcho's first venture Kenn & Kitt, a pet supplement startup
- Designed and executed consumer research in South East Asia and constructed data models to identify new markets to enter

**Boba Brew**                                                                            Singapore, SG
*Founder*                                                                                Jan 2015 - Aug 2017
- Conceptualized, researched and created prototype drinks to meet consumer needs and maximize profits
- Executed social media campaigns producing peak Instagram subscriber base of 1,021
- Direct all organizational operations, policies and objectives to maximize productivity and returns
- Sold over 10,000 units, increased revenue by 25 percent in second year of operation