

FRANCIS TAN

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TECHNICAL SUMMARY

- **Programming Languages:** Typescript, Javascript, Ruby, Python, HTML5, Kotlin, C++ and CSS3
- **Framework and Libraries:** React, React-Native, Gatsby, Node, Ruby on Rails, TensorFlow, Brain, Redux, Cypress, Jest, Bootstrap, Express, Material-UI and jQuery
- **Development Tools:** Visual Studio Code, Xcode, Android Studio, PyCharm, Jira, Confluence, Bitbucket and Git
- **Database:** PostgreSQL, SQLite, GraphQL and RxDB

WORK EXPERIENCE

Software Developer at CycurID

September 2019 - Present

<https://imme.io/>
<https://cycurid.com/>

- Work efficiently by using Jira to assign, review, plan, test, report and debug projects.
- Write, review and maintain documentation for all features in development using Confluence.
- Collaborate with the design team using Figma to implement accessibility, responsiveness, error handling, browser consistency, mobile compatibility and reusable elements for all web applications to maintain consistency and increase efficiency during development.
- Formulated and implemented improvements on cleanup processes and performance to minimize downtime.
- Worked closely with the back-end team to build an API following RESTful standards to allow users to submit information by storing data in SQLite and RxDB.
- Assisted in developing and implementing document facial recognition, automated KYC scanning and a 3-step face scan detection for user authentication on Android and iPhone applications.
- Built and published a Node and Ruby on Rails, OAuth 2.0 service package.
- Implemented custom animations and transitions to flex containers and forms.
- Developed, tested and deployed both Android and IOS mobile applications.

EDUCATION

Web Developer Bootcamp, CodeCore College

May 2019 - September 2019

- **Javascript:** Functions and Arrays, Objects, Higher-Order Functions, Constructors and Prototypes, Promises, PostgreSQL Client and KNEX, Express, Middleware and Cookies, DOM, CRUD and REST.
- **React:** State, Controlled Forms and Hooks, Native, Stripe, Authentication, jQuery, Ajax, and Webpack.
- **Ruby on Rails:** Arrays and Hashes, Methods, Blocks, Lambdas, OOP, Active Record, CRUD, One to Many, Authentication, Heroku, Testing, Many to Many, Background Jobs and Mailers, API OAuth and Google Maps.

Machine Learning, MITx

May 2022 - Present

- **Micromasters in Statistics and Data Science:** Probability - The Science of Uncertainty and Data, Fx Data Analysis in Social Sciences, Fundamentals of Statistics, Machine Learning with Python - From Linear Models to Deep Learning.
- **Python:** Anaconda, Tuples and Lists, Mutability, Recursion, Dictionaries, and Object-Oriented Programming.
- **Linear Classifiers and Generalizations:** Supervised Learning Task, Machine Learning, Classifiers, Regression, Perceptron, Hinge Loss, Margin Boundaries, Regularization.