# Jacob Gifford *Full Stack Developer*

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☎ +1 650 741 1257     ✦ Portfolio

## Education

**Purdue University**                                      2020 | West Lafayette, USA
*B.S. Chemistry (conc. Biochemistry)*

**Independent Study**
*The Odin Project*
- Studied full-stack engineering following the Node.js path, and self-study of selected topics

## Skills

**Languages**
*Javascript, Typescript, Python, HTML, CSS*

**Frameworks**
*React, TailwindCSS, Jest, Express, Node.js*

**Tools**
*Git, postman, MongoDB, mongoose, npm, webpack, vite, docker*

**Technologies**
*RESTful API, Framer Motion, Photoshop, Lightroom, Office, OOP*

## Professional Experience

**Homeroom Teacher**                                      2022 – present
*Jimei KRK*
- Effectively planned, communicated, and coordinated academic events for the school
- Taught many topics using creative strategies to communicate with and engage students
- Coordinated social outings for teachers, improving teamwork and overall job satisfaction

**Teacher**                                      2020 – 2022
*EF Education First*
- Mentored new employees, and reviewed their initial performance in formal meetings
- Featured in multiple promotional materials endorsing the curriculum

**Computational Chemist**                                      2016 – 2018
*Chopra Laboratory*
- Modeled molecules and predicted interactions using an in-house computational model
- Quantified results, interpreting data with Python and R, to develop a broad interactome

## Projects

**Symphony**
*React, Javascript, TailwindCSS, express.js, Node.js, Jest*
- Full stack Discord clone utilizing web sockets for instant messaging in express.js
- Developed a testing suite, with API, and client coverage
- Utilized Photoshop and Framer Motion to develop a creative user login and registration UI

**Totally Not Instagram**
*React, Javascript, express.js, Node.js, CSS*
- Implemented core Instagram functionality including search, likes, posts, and profiles
- Planned and designed from broad project specifications

**Battleship**
*Javascript, Jest, HTML, CSS*
- Created the classic battleship game with UI improvements and unique special abilities
- Maintained a suite of unit tests, ensuring code quality and functionality

## Open Source Contributions

**The Odin Project**
- Curriculum: Overhauled the CSS3 sections, reorganizing and enhancing lessons
- Minor: Fixed minor bugs and typos, and improved statements for clarity