

# Jacob Gifford *Full Stack Developer*

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🔗 Portfolio   🌐 JaeGif

## Skills

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### Languages

*Typescript, Javascript, Python, HTML, CSS*

### Frameworks

*React, TailwindCSS, Next.js, Express, Node.js*

### Tools

*MongoDB, SQL, PostgreSQL, Prisma, Mongoose, Jest, Vite, Git, Postman*

### Technologies

*RESTful API, Framer Motion, Photoshop, React Query, React Router, Lightroom*

## Professional Experience

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### Homeroom Teacher

2022 – present

*Jimei KRK*

- Utilized my development skills to establish a local real-time streaming server showing live drone footage
- Effectively planned, and coordinated large-scale academic events for the school resulting in an overall 15% increase in literacy among students aged 3 to 7 over a one-month period
- Organized graphics design, budget, catering, and hosted social events accommodating ~400 attendees

### Teacher

2020 – 2022

*EF Education First*

- Consistently exceeded performance KPI's scoring in the top 5% of teachers in the region
- Mentored new employees, and reviewed their initial performance in formal meetings
- Featured in multiple promotional materials endorsing the curriculum and teaching quality

### Undergraduate Researcher

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 protein interactome

## Projects

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### Gradient Fitness

*React, Typescript, TailwindCSS, PostgreSQL, Chart.js, Express.js*

- Collaborated with fitness professionals to determine and design useful analytics for strength training
- Created robust charts using public datasets and medical research, allowing professionals and hobbyists to gain a deeper and more accurate understanding of their physical strength
- Utilized PostgreSQL with Prisma to quickly analyze and aggregate large datasets for statistical analysis

### Symphony

*React, Typescript, TailwindCSS, MongoDB, Web Sockets, Express.js*

- Full stack Discord clone utilizing web sockets for instant messaging with an Express.js server
- Utilized Photoshop and Framer Motion to develop a beautiful and performant login UI
- Featuring private and public rooms, markdown plugin support, and general user statistics

### Totally Not Instagram

*React, Javascript, MongoDB, Express.js, CSS*

- Implemented core Instagram functionality including search, likes, posts, and profiles
- Planned and designed from broad project specifications

## Open Source Contributions

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### The Odin Project

- Curriculum: Overhauled the CSS Foundations sections, reorganizing and enhancing lessons
- Minor: Fixed minor bugs and typos, and improved statements for clarity and accessibility

## Education

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### Purdue University

*B.S. Chemistry (conc. Biochemistry)*

2020 | West Lafayette, USA