

# JOSIAH PEDERSON

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## TECHNICAL SKILLS

Software Engineer with both frontend and backend development experience. Proficiency with Python, JavaScript, React, HTML, and CSS. Experience working with PostgreSQL, MySQL, MongoDB, Django, FastAPI, RabbitMQ, Docker and SimpleJWT. I have worked on both Microservices and Monolith services, using test-driven and domain-driven design.

## PROFESSIONAL EXPERIENCE

**Galvanize, Inc** | *Software Engineer, Immersive Resident* | *Chicago, IL* 2022–Present

- Mentor 60 diverse engineers to encourage coding best practices, agile methodologies, and a growth mindset
- Write, test, and push patches for the student and staff self-service Django website
- Claim Help Desk tickets to assist students with technical questions and debugging on subjects ranging from Python data structures to continuous deployment

**Apple, Inc** | *Technical Expert* | *Chicago, IL* 2019–2022

- Led team with 100% iPhone repair success rate for six months via attention to detail, exceeding 93% expectation
- Trained 15 junior technicians by shadowing and providing feedback
- Maintained 95% customer satisfaction score for 10 months by accurately troubleshooting 1000+ iOS devices

## APPLICATION DEVELOPMENT EXPERIENCE

**Packed** | *Full-stack Engineer* | *Microservice-based packing list full-stack site* 2022

*Repo: gitlab.com/packed-module-3/packed | Site: packed-module-3.gitlab.io/packed*

- Led four engineer development team in creating and deploying a Django web application over six week period
- Hosted daily standups to discuss the previous day's progress, obstacles and project goals
- Built three backend microservices following test-driven development
- Integrated user authentication using Simple JWT

**CarCar** | *Full-stack Engineer* | *Microservice-based car dealership full-stack site* 2022

*Repo: gitlab.com/car-car/car-car | Site: car-car.gitlab.io/car-car*

- Designed Django/React application employing 14 REST API endpoints
- Deployed six Docker images on Heroku and Gitlab pages utilizing continuous deployment
- Created three PostgreSQL databases that employ polling to share data between microservices

**ConferenceGo** | *Software Engineer* | *Microservice-based management full-stack site* 2022

*Repo: gitlab.com/josiahpederson/conferencego*

- Employed RabbitMQ pub/sub and middleware queueing between three microservices, resulting in 300% fewer database requests compared to the original polling method
- Modernized Django monolith using domain-driven-design to divide bounded contexts into three microservices
- Integrated three third-party APIs utilizing anti-corruption layers (ACLs) to ensure accurate data mapping

## OTHER EXPERIENCE

**Knowledge Tree, Inc** | *Executive Assistant* | *Shanghai, China* | *Bartlett, IL* 2019–2022

- Visited 15 schools in southeast Asia annually to establish student acquisition partnerships with US universities
- Directed and edited four annual marketing videos distributed on Chinese social media reaching 1,800 views

**Theory of Media, LLC** | *Co-Founder* | *Traverse City, MI* | *Wheaton, IL* 2019–2020

- Negotiated five marketing contracts with nonprofits and municipalities generating \$40,000 in revenue
- Supervised branding development and website design, ensuring consistent messaging to potential clients

**Social Economic Enterprises, LLC** | *Video Production Intern* | *Traverse City, MI* 2018

**European Leadership Forum** | *Media Intern* | *Wisła, Poland* 2014

## EDUCATION

**Hack Reactor** | *Advanced Software Engineering Certificate* 2022

- 19-week immersive program with 1100+ hours of coding. Full-Stack development with JavaScript, Python, Django, React, Redux, PostgreSQL, MongoDB, and MySQL in an agile environment

**Wheaton College** | *B.A. Media Communication* 2017

**Tianjin University of Business and Economics** | *Mandarin Chinese language study abroad program* 2015