

JOSIAH PEDERSON

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TECHNICAL SKILLS

Programming: | Python 3, JavaScript (ES6+), SQL, HTML5, CSS
Back-End: | Django 4, PostgreSQL, MySQL, MongoDB, FastAPI, RabbitMQ, SimpleJWT
Front-End: | React, DOM manipulation, WebSockets, Bootstrap
System Design: | Microservices, Monoliths, Domain-driven-design, REST API, Message passing, Event sourcing
Dev Tools: | Docker, Git, Insomnia, Heroku, pgAdmin

APPLICATION DEVELOPMENT EXPERIENCE

Packed | *Full-stack Engineer* | *Microservice-based travel guide 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
- Built backend following test-driven development by writing nine unit tests that ensure a clean main branch
- Integrated user authentication using Simple JWT, giving users the capability to save and edit their packing lists

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 with REST API architecture, 15+ React components, and authentication
- Deployed site on Heroku and Gitlab pages utilizing continuous deployment of five Docker containers, allowing new releases to be published in under five minutes
- Implemented polling between sales and repair domain models, permitting discounts for dealer-bought cars

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

Repo: gitlab.com/josiahpederson/conferencego

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

PROFESSIONAL EXPERIENCE

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

- Mentor 50 diverse engineers to encourage coding best practices, agile methodologies, and a growth mindset
- Claim Help Desk tickets to assist students with technical questions and debugging on subjects ranging from Python data structures to Heroku deployment
- Act as a point of contact to assist students over a 900+ hour immersive program

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, leading to a 10% session-per-hour increase
- Maintained 95% customer satisfaction score for 10 months by accurately troubleshooting 1000+ iOS devices

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