

THERESE M. DIEDE

Software Engineer with experience in the full stack of web development: Python and Node.js. Seeking Backend/Full-Stack position to build secure, fast and reliable, scalable software.

SKILLS

+ Python, Flask, SQLAlchemy	+ JavaScript [ES6]	+ Mocha, Chai, Sinon [testing]
+ Node.js, Hapi.js	+ HTML5, CSS3	+ AWS, Jenkins, Docker
+ PostgreSQL, MongoDB	+ jQuery, Handlebars	+ Elasticsearch, Kibana
+ Redis, RabbitMQ, PubNub	+ D3.js [Data Viz], three.js [3D]	+ StatsD, Grafana, OpsGenie

EDUCATION

COLUMBIA UNIVERSITY	M.Arch (Architecture) & M.S. Urban Planning [dual degree]
TULANE UNIVERSITY	B.A. Sociology & Environmental Science, magna cum laude, honor thesis

WORK

Backend Software Engineer (intern) | August Home | San Francisco, CA | April 2017 – Present

- + Decoupled and modernized the functionality of a backend service within a microservices framework.
- + Implemented continuous integration with Bitbucket pipelines: pulled Docker image, set up ssh keys, secured API keys from the environment, ran linter, and fixed failing test scripts [Bash, Mocha, Chai].
- + Developed efficient, test-driven JavaScript code, including asynchronous promise chaining [Bluebird].
- + Responsible for new features, bug fixes on internal tools website, a series of single page applications.
 - Created new tabs populated with queried data. Refined server-side logic of existing pages.
 - Used Handlebars.js to validate HTML syntax, Foundation CSS to create interactive subnav bar.
 - Deployed with Jenkins tag-based builds. Collected statsd data to plug into Grafana dashboards.
- + Wrote server utilities to automate factory resets and perform firmware updates on our smart devices.
- + Tech stack: Node.js, MongoDB, Redis, RabbitMQ, Hapi.js, AWS, Jenkins, Docker, Elasticsearch, Kibana

ENRICHMENT

Hackbright Fellowship in Software Engineering, Fall 2016

Demystifying Deep Learning & AI conference by Accel.AI, February 2017

SOFTWARE PROJECTS

SKYSCRAPER SF • Python/Flask, SQLAlchemy ORM, PostgreSQL, MongoDB, Mapbox GL, Flickr API • a web app w/ split map-table interface to learn and collect tall building favorites, flashcard-style

PACK THE BOX • Python, Turtle graphics library • a fun, interactive spatial experiment w/ visuals

GEOCODER • Python, Google Places API • a wrapper to encapsulate Google's geocode function

PREVIOUS WORK

Designer, Architecture and Structure | **WARE** | Oakland, CA | Apr 2015 – Jul 2016

- + Coordinated construction administration phase on a highly custom high-end residential project.

Designer, Interior Architecture | **Skidmore, Owings & Merrill** | San Francisco, CA | Nov 2014 – Mar 2015

- + SFVAMC > Revit BIM construction docs (drawings, schedules, specs) for 3-building hospital retrofit.

Lead Cartographer & 3D Visualization Artist | Rowan Technology | New York, NY | Jul 2013 – Oct 2014

- + Strategized how to produce in less than 9 months: 500+ maps and in-depth feature assets for an interactive textbook concurrently used by West Point cadets in a required military history course.