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## Professional Experience

<b>Backend Software Engineer</b>	<b>Routable</b>	<b>2019 – 2020</b>
<ul style="list-style-type: none"><li>Designed and developed Django REST API for ingestion by frontend and API clients.</li><li>Instrumental in an effort to improve automated testing, increased test coverage by 20%, including writing 500+ tests.</li><li>Collaborated with Customer Success team to design and develop automated CRM features including notifications with services like Email, Slack, Intercom.io, and Customer.io.</li><li>Helped shape company culture and engineering processes by introducing linting and acceptance testing via CircleCi.</li></ul>		
<b>Backend Software Engineer</b>	<b>TOMIS</b>	<b>2018 – 2019</b>
<ul style="list-style-type: none"><li>Designed and developed Data Warehouse and Django-based ETL pipeline for reservation system bookings and google services data.</li><li>Designed and developed Django REST API for ingestion of the Data Warehouse by frontend and data science teams.</li><li>Managed and scaled PostgreSQL databases while optimizing SQL queries and database schemas for better performance.</li><li>Utilized the full Atlassian stack including writing unit tests for the continuous integration pipeline</li></ul>		
<b>Full Stack Web Developer</b>	<b>Gecko Designs</b>	<b>2014 – 2018</b>
<ul style="list-style-type: none"><li>Developed and maintained complex WordPress and other CMS-based applications.</li><li>Developed WordPress and other CMS plugins and custom backend (API) functionality.</li><li>Developed and maintained Linux servers for web-hosting, development, testing, asset management.</li><li>Introduced and developed bug tracking, project tracking and SVN software to development workflow.</li></ul>		
<b>Software Engineer</b>	<b>Rook Media</b>	<b>2013 – 2014</b>
<ul style="list-style-type: none"><li>Designed and developed python version of targeted email ad delivery system and supporting databases and tool-chains.</li><li>Designed and developed Unix tools and scripts for management of large databases, server clusters and data-mining of tracked recipient data.</li><li>Designed, developed, and maintained multiple administration and management tools for clients.</li></ul>		

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## Education

<b>Missoula, Mt</b>	<b>University of Montana</b>	<b>Fall 2006 – May 2011</b>
<ul style="list-style-type: none"><li>45 credits toward a B.S. in Computer Science</li><li>Undergraduate Coursework: Operating Systems; Databases; Algorithms; Programming Languages; Comp. Architecture; Calculus II; Bioinformatics; Computer Architecture; Algorithms; Artificial Intelligence; Computational Theory; Cryptography; Machine Learning.</li></ul>		

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## Personal Projects

- Free sticker web scraping Bot** (2019). Unix command line tool that can be run periodically to scan the web for “Free Sticker” offers. *Python, HTML, CSS, JS, Http, Linux.*
- Reddit Image Blur Detection and Correction Bot** (2018). AWS microservice-based bot that scans all new reddit.com posts and comments for images and determines blur level and attempts to deblur. *Python, AWS Lambda, AWS S3, AWS DynamoDB, AWS CloudFormation.*
- RaspberryPi RFID & WebApp Door Access System** (2016). Custom RaspberryPi-based office security system allows access by RFID card or Internet facing Web App that can lock and unlock the doors. *Python, C, PHP, Nginx, Linux.*
- Cryptocurrency arbitrage trading bot** (2014). Unix command line tool that connects to multiple bitcoin and litecoin web exchanges and calculates profitable arbitrage trading chains and executes them. *Python, Json, XML, Http, Rest.*

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## Languages and Technologies

- Python; Celery; Django; Flask; PostgreSQL; Git; Redis; PHP; Ruby; Bash; Docker; Kubernetes;
- PyCharm; Sublime Text; Visual Studio; Windows; Unix; Linux; Mac OS; AWS; Google Cloud;
- Slack; JIRA; CircleCi; GitHub; BitBucket; Lucidchart; Postman; Notion;