



# Michael Horvath

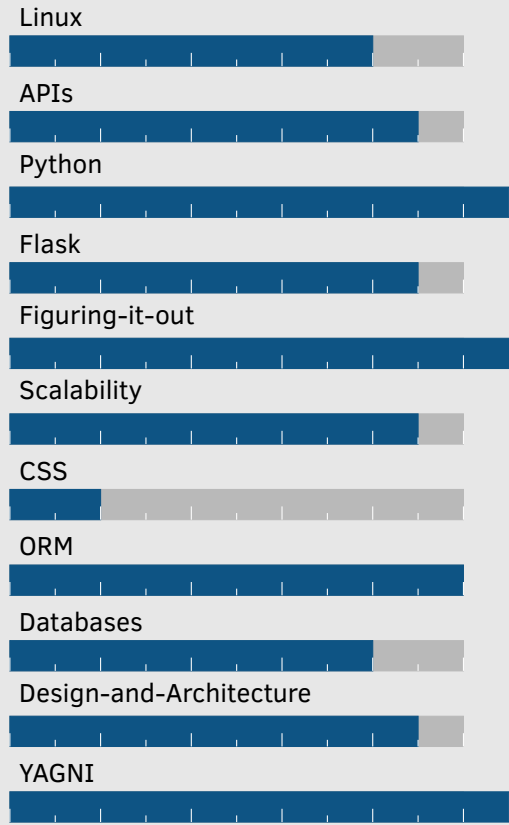
Back End Developer

- 12 December 1987
- California
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## About me

Originally from Kansas, Michael has lived in eight states and two countries. Michael enjoys climbing, running, playing guitar and anything that gets him outside. He's been writing software for about seven years now, but he's been exploring since the day he could walk – perhaps even earlier.

## Skill



(\*)[The skill scale is from 0 (Fundamental Awareness) to 6 (Expert).]

## motto

Continual growth is key to enjoyment of life; challenge begets growth.

Software = Poetry + Math

## education

- 2006-2011 B.A. cum laude  
Statistics and Research Methods  
University of Kansas

## awards

- 1997-2001 Five Time Math Olympics State Champion, Pennsylvania
- 2005 Science Olympiad State Champion, Chemistry
- 2006 CalTech Signature Award, Excellence in Science and Mathematics
- 2016 Heart and Soul Award, Lawrence Ultimate Frisbee League

## work history

- 2022 Backend Engineer  
- Microservices development in enterprise level asynchronous GIS system.  
- Unit, functional, integration, and regression testing.  
Maxar Technologies
- 2021 Lead Data Scientist  
- Led data and algorithms team in development of new algorithms and data services across numerous departments.  
- Designed, connected, and commodified business intelligence pipelines across departments.  
- Study design and program evaluation.  
Fluxergy
- 2020 Data and Algorithms Engineer  
- Developed triphasic image-based PCR analysis algorithm, through all phases of QMS software development lifecycle.  
Fluxergy
- 2018 Backend Engineer  
- Designed, developed, and maintained data-centric internal applications.  
- Requirements gathering, technical writing.  
Fluxergy
- 2017 Machine Learning Engineer  
- Developed machine learning algorithm to recognize gait anomalies and predict accidents in geriatric patients.  
Embrace Healthwear
- 2012 Carpenter  
- Commercial construction and remodeling, residential remodeling.  
- Rough carpentry, finish carpentry, drywalling, basic plumbing, basic electric, tiling, flooring.  
Benchmark Construction
- 2015 - 2022 Personal Projects  
- Neural net generator for exploring automated generation, tuning and lifecycle of machine learning models in Elixir.  
- High frequency trading algorithm development and back-testing.

## skills

- Technical Python, Django, Flask, Sanic, PHP, MySQL, Docker, LaTeX, docker-compose, Git, Cloud , Database design, Elasticsearch and Kibana, PowerBI, Javascript/HTML/CSS, CI/CD, Infrastructure as code, Google, Microsoft Office, Excel, Typescript, Statistics, Structural Equation Modeling, ANOVA, MANOVA, Regression, Multiple Regression, Machine Learning, Deep Learning, PyTorch, Pandas, Numpy, SciPy, SVM, Decision Trees, Docker, Azure, AWS, Lambda functions, SAAS, Microservices, Anomaly Detection
- General Program evaluation, technical liaison, presentation and public speaking, business intelligence, requirements gathering, data visualization, data wrangling, project management, Kanban, Jira, DevOps.