



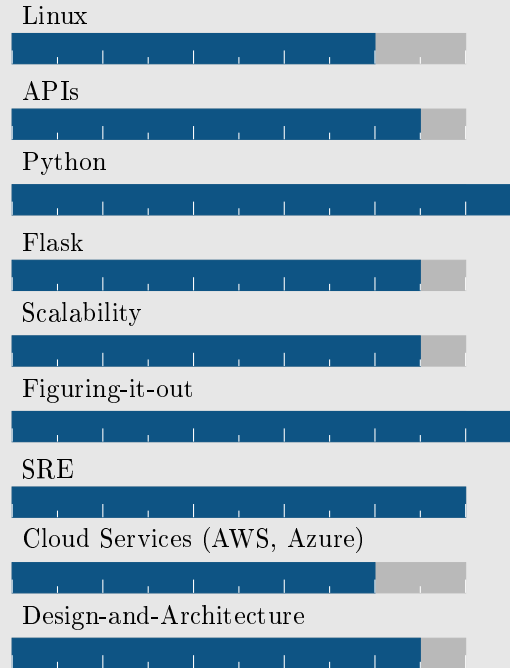
# Michael Horvath

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## About me

Originally from Kansas, Michael has lived in eight states and three 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 University of Kansas  
Statistics and Research Methods

## 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 Software Engineer Maxar Technologies
  - Microservices development in enterprise asynchronous GIS system.
  - AWS lambda functions, cloud deployment, and site-reliability engineering via infrastructure-as-code (IaC).
- 2020 Senior Software Engineer Fluxergy
  - Led Data and Algorithms team, improving accuracy and performance of new algorithms.
  - Architected DataHub for cross-departmental use and improved efficiency.
  - Collaborated with Product team in strategy matters and actively researched new technologies to improve team productivity.
  - Mentored junior engineers and participated in design and code reviews.
- 2018 Software Engineer Fluxergy
  - Fullstack development, from requirements to cloud deployment.
  - Embedded systems algorithm development for software on medical device.
  - Designed and developed data warehousing and extraction systems.
- 2017 Machine Learning Engineer Embrace Healthwear
  - Signal processing, feature selection, data vectorization, model selection for high-frequency ML classification problems.
- 2012 Carpenter Benchmark Construction
  - Swinging a hammer and singing Fleet Foxes.
- 2015 - 2022 Personal Projects
  - Neural net generator for exploring automated generation, tuning and life-cycle 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, C++, make, CLion, 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.