



Michael

Backend Software Developer

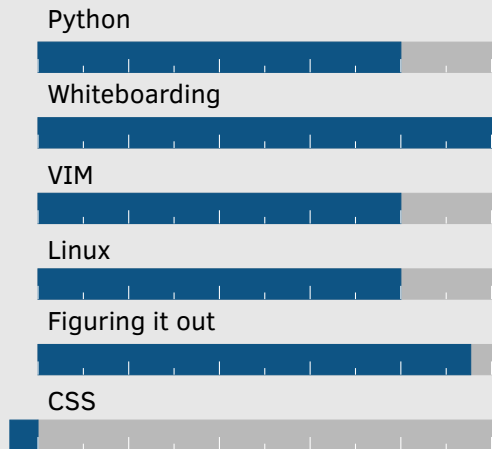
- 12 December 1987
- California
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About me

Michael is basically a husky puppy that was trapped in a human's body and forced to write software. He enjoys climbing, running trails then napping, howling with his guitar, and anything else he can do outdoors. He's been coding for about five years now, but he's been exploring since the day he could walk – perhaps even earlier.

He views Elixir as “the one that got away” and would do anything for a second chance to show her how much he cares.

Skill



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

beliefs

- Continual growth is key to enjoyment of life; challenge begets growth.
- Passion is a must.
- Software = Poetry + Math

education

- 2006-2011 B.A. cum laude Psychology and Statistics University of Kansas
- 2002-2006 High school, 4.0 GPA Shawnee Mission East HS
Extras: Diving, Soccer, Choir, Science Olympics

awards

- 1997 Math Olympics State Champion, Pennsylvania Assoc. of Private Schools
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- 2000 Math Olympics State Champion, Pennsylvania Assoc. of Private Schools
- 2001 Math Olympics State Champion, Pennsylvania Assoc. of Private Schools
- 2005 Science Olympiad State Champion, Chemistry
- 2006 CalTech Signature Award, Excellence in Science and Mathematics
- 2016 Heart and Soul Award, Lawrence Ultimate Frisbee League

experience

- 2018 - Now Software Engineer Fluxergy, LLC
 - Designed clinical test data system with real-time data-uploading and retrieval via Azure Webapp Services and Docker Containers.
 - Responsible for requirements gathering, spec-writing, development and documentation of department agnostic shop-floor-control system.
 - Refactored computer vision analysis pipelines for improved algorithm performance, increased modularity, and to allow for proper testability.
- 2017 - 2018 Software Engineer Embrace Healthwear, LLC
 - Developed activity classification models with biometric data to map physical therapy research to procedural findings.
- 2016 - 2017 Personal Project Elixir/Machine Learning
 - Built a neural net constructor in Elixir, in order to better understand the fundamentals of machine. Followed Gene Sher's "Handbook of Neuroevolution Through Erlang" and translated each project to Elixir.

skills

- 2018-2020 Python, Django, Flask, PHP, MySQL, Docker, LaTeX, docker-compose, Git, Cloud resources (Azure and AWS), Database desgin, Elasticsearch and Kibana, PowerBI, Javascript/HTML/CSS
- 2010-2020 Program evaluation, testing, requirements gathering, software design, technical liaison, public speaking, presentation, interviewing

other information

Michael used to work in construction and property management. He's found some odd overlap between his previous career and his current one, mostly in visualizing interdepent systems and the value of elbow grease (not to mention the horror of opening up someone else's beloved home to find that the whole thing is tied together with (more or less) strings). He'd love to find a home where he can continue to grow and be challenged by exciting new projects on a regular basis.