

Paul Weidinger

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Employment

ROBOTIC VISION TECHNOLOGIES, INC.

VP, Engineering, Jan. 2016 - present

Head of engineering; senior engineer; product manager; strategist; technical ambassador

- Initiated, designed, wrote code for, and managed major projects, including:
 1. Real-time data analytics & visualization platform. C#, Python (Pandas, MySQL)
 2. Legacy code refactoring and GUI overhaul, creating new market segment. (C#, C++)
 3. New robot integrations: Universal Robots, KUKA, & Aubo. (Python, Java, Lua)
- Contributed code 80% of time during key projects, and 100% during mission-critical ones
- Created role after recognizing that more leadership & organization would accelerate output
- Established engineering process: AWS, Github, code reviews, kanban, TDD, etc.
- Created remote work policy and rewrote employee handbook
- Sourced, hired, and managed 4 engineers (both on-site and remote) plus 2 interns
- Key negotiator in a \$100m deal with one of the largest Chinese State-Owned Enterprises
- Lead communicator, ex: wrote website, ran client visits, presented to Ford Motor Co.

Software Engineer, Mar. 2015 - Jan. 2016

- Built new features for main revenue-generating application in C++ and Qt
- Implemented versioning protocol and transitioned the team to git

SAILTHRU, INC.

Integration Consultant, Nov. 2013 - Jul. 2014

Recognized an underserved customer need, created a new role, and promoted into it

- Entrusted with technical onboarding for largest revenue-generating clients (\$10m or more)
- Lead implementation team; involved in all hiring, strategy, and resource decisions

Implementation Engineer, Jan. 2013 - Nov. 2013

Go-to technical resource for predictive analytics and customer implementation challenges

- Resident expert dispatched to help automation and workflow solutions for clients
- Led and wrote trainings and education programs, both internally and externally

Consulting

Robotics Engineer, June 2020 - Present

- Worked on a collision resolution algorithm for surgical robots in C++ and Python

Machine Learning Engineer (multiple projects), Summer 2017, and Oct. 2019 - Present

- Designed and built a ML-based trading platform for cryptocurrencies in Python
- Developed data mining and ML demos for an assisted living firm and boutique hotel

Education

Carnegie Mellon University – BS Business/Entrepreneurship, Computer Science Minor. 2012

Sigma Alpha Epsilon — President, Treasurer, and New Member Educator

Languages

Python (including data science packages), C++, C#, C, Haskell, Java, Ruby, JavaScript (including Node and JQuery), HTML, CSS, Lua, SQL, MongoDB, Redis, URScript

Interests & Hobbies

Member of software architecture mastermind group; relevant interests include functional programming & type theory, data science, robotics, AI, math, leadership & management. Hobbies include hiking, disc golf, BJJ, piano, cooking, travel, reading, finance & investing