

# M. COOPER HEALY

EMAIL [m.cooper.healy@gmail.com](mailto:m.cooper.healy@gmail.com)  
PHONE (217) 204 – 1461  
GITHUB <https://github.com/scrimbles>

## SKILLS

---

<b>Programming Languages</b>	TypeScript, Julia, Go, Embedded C, C++, Python
<b>Software</b>	Git/Github, PostgreSQL, NestJS, Numpy, Pandas, Kafka, Redis, Docker, Kubernetes

## WORK EXPERIENCE

---

—	<b>Technical Lead Software Engineer</b>
MAR 2024	<i>Nabis</i> , San Fransisco, CA <ul style="list-style-type: none"><li>o Led team of 3-5 by mentoring junior engineers, architecting new initiatives, and being point of contact for stakeholders, both internal and external</li><li>o Created new accounting management system for credits, unblocking contract renewal for largest customer responsible for 30% of total revenue and 6.2% of the total market share</li><li>o Led addition of OpenSearch usage to main order form, leading to 95% reduction in search time</li><li>o Designed and built new state-agnostic tax handling system to enable national scale</li><li>o Developed new unified API for serving application across multiple states and data schemes</li><li>o Architected and implemented new system for handling tax-inclusive pricing for all products, doubling market share in New York</li></ul>
FEB 2024	<b>Senior Software Engineer</b>
NOV 2023	<i>Arbol Inc</i> , New York, NY <ul style="list-style-type: none"><li>o Developed new microservices to automate contract confirmation process for legal team, reducing process from 2 weeks to minutes</li><li>o Led project for platform tooling, organizing work to be done and customer feedback</li></ul>
NOV 2023	<b>Senior Software Engineer (Labs Team)</b>
FEB 2023	<i>Copper CRM</i> , San Fransisco CA <ul style="list-style-type: none"><li>o Designed and implemented distributed job system to parallelize computation</li><li>o Performed time-series data analysis to determine meaningful parameters for user's relationships</li><li>o Developed comprehensive analysis tool for client relationship insights</li><li>o Integrated new analysis tool into application to automatically adapt UI to user behavior</li><li>o Developed tools to improve development and deployment of distributed system</li></ul>
NOV 2022	<b>Software Engineer</b>
OCT 2021	<i>C2FO</i> , Leawood KS <ul style="list-style-type: none"><li>o Architected and owned use of Multi-Factor Authentication site-wide</li><li>o Designed and implemented cardholder signup workflow and dataflow</li><li>o Developed and maintained internal marketplace to match market makers with market takers</li></ul>
OCT 2021	<b>Software Engineer II</b>
JAN 2021	<i>Garmin International</i> , Olathe KS <ul style="list-style-type: none"><li>o Secured internal endpoints on production services by adding secured connective layer</li><li>o Wrote custom application-layer API handling in C++ to allow for more complex internal API usage</li><li>o Updated server to handle requests for map data by customer navigation devices in C++</li></ul>
JAN 2021	<b>Software Engineer / DevOps Liason</b>
FEB 2020	<i>Service Management Group</i> , Kansas City MO <ul style="list-style-type: none"><li>o Developed tools to monitor and diagnose data quality issues on a large scale</li><li>o Mitigated client-impacting issues with data quality in a timely and permanent manner</li><li>o Redesigned messaging architecture for critical and high load infrastructure applications</li></ul>
FEB 2020	<b>Software Engineer</b>
JUN 2019	<i>Cboe Global Markets</i> , Lenexa KS <ul style="list-style-type: none"><li>o Coordinated with NYSE and Nasdaq to create common format for new SEC compliance report</li><li>o Worked in on-call cycle to ensure high-available data processing for all company data</li><li>o Created new framework for large-scale market analysis, allowing analysis reports to be faster to implement, more maintainable, and more accurate</li></ul>

## EDUCATION

---

2019 **Bachelor of Science, Computer Science**  
Missouri University of Science and Technology, Rolla MO  
GPA: 3.5/4.0, Major GPA: **3.9/4.0**  
**Cum Laude**