John Weachock

317 East 3rd Street, Corning, NY 14830
jweachock@gmail.com − 607.323.1269
github.com/scizzorz

Education

M.S., Computer Science − Binghamton University	2017
B.S., Computer Science − Binghamton University	2015

Employment

Senior Software Engineer − Corning Incorporated — 2019 - present

Project Architect − *Materials Informatics*
- Pioneer the development, architecture, tooling, and prototypes of a novel research operations platform
- Devise and implement an innovative graph-based data system that allows for rapid, intuitive, and organic exploration of data and concepts

Auxiliary Engineer − *Enterprise Risk & Intelligence*
- Secured funding for an auxiliary engineering pilot engagement with a financial analysis team
- Accelerate team development through hands-on mentorship of SWE best practices and effective tooling
- Build a robust and reusable development environment with Docker

Team Lead − *Digital Transformation: Application Development*
- Collect and align plans for policy change to improve software developer culture and working conditions
- Advocate for engagement with open-source communities and secured major sponsorships with PyCon
- Organize networking sessions focused on building a software development community

Software Engineer − Corning Incorporated — 2017 - 2019
- Delivered multiple internal web applications to accelerate research development
- Overhauled data pipelines for capturing and normalizing pilot manufacturing data with full traceability
- Led training sessions for technologies like Git, Python, Rust, Go, and Docker

Software Engineering Intern − Corning Incorporated — 2016 - 2017

Web Developer − freelance — 2005 - present

Projects

Mold − task runner − github.com/xtfc/mold — 2020
- Developed a command-line tool to help organize common software project chores
- Mold is designed to be a toolchain agnostic task runner with easily reusable task modules

Milk − Git porcelain − github.com/scizzorz/mold — 2019
- Developed a new Git porcelain using libgit2 and Rust
- Milk is designed to improve the human experience of interacting with Git repositories

Mask − programming language − github.com/scizzorz/mask — 2018
- Designed a new programming language to experiment with some novel syntax and semantics
- Wrote source-to-bytecode compiler and bytecode interpreter in Rust

Skills

Languages	Tools	DevOps	Data	APIs	Interests	Hobbies
Python	Tmux	AWS	SQL	OpenAPI	Automation	Woodworking
Rust	Vim	Docker	Graph	REST	Data Systems	Game Design
Lua	Git	CI/CD	RDF	JSON-RPC	Manufacturing	Electronics
Go	Shell	Terraform	NoSQL	gRPC	Tooling	Leathercraft