

Solomon Bloch

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Work Experience

Hanover Insurance / Randstad - Large national insurance firm. *May 2021 - Present*
Associate Software Developer *Remote*

- Building web apps for underwriters to evaluate properties' riskiness using Node.js for backend and Angular for frontend that is used by thousands of underwriters all around the country daily.
- Worked directly with multiple teams to design the functionality of the application, ensuring accuracy in the final product.
- Managing CI/CD systems using multiple Docker deployments onto Azure, for production, user acceptability testing, and development.

Atlas Engineering - Small software firm specializing in fast & compact solutions. *Jul 2019 - Dec 2019*
Intern Software Developer *Remote*

- Working on Nyxt browser implementing core libraries.
- Implemented ring data structures for saving copied and pasted strings, and closed buffers (tabs).
- Implemented a password-management system that connects the browser to Password Store or KeePassXC.
- Wrote test suites and generated comprehensive coverage reports with 99%+ coverage.

Syracuse University - Private university. *Aug 2019 - Dec 2019*
Teaching Assistant, Computational Physics *Syracuse, NY*

- Mentoring over 25 physics students to write programs to simulate physical systems.
- Help students implement various numerical methods to solve integrations, and differential equations.

Metric Collective (FranchiseHelp) - Startup incubator. *Jun 2018 - Aug 2018*
Data Analytics Intern *New York, NY*

- Implemented improved metrics for assessing success of lead generation ad campaigns. Specifically, LTV vs CAC per ad campaign, splitting up LTV over months after user registration.
- Wrote marketing report automation scripts in VBA.
- Used various languages: Python, SQL, and VBA where needed.

Projects

solb.io - Overengineered personal website and blog platform written from scratch in Clojure.

- Instant screenshot upload, link shortening, and authentication system using Javascript web tokens.
- Posts and users stored in PostgreSQL database.

[tinykeyval](#) - Distributed key value store with master / volume server architecture.

- Distributed storage organized by a master server written in Python.
- Volume servers are plain NGINX docker instances.
- Test suite to ensure full usability.

[Acro](#) - a fun little acronym game written in Node.js and React.

- Reimplementation of Acrophobia, an acronym game from IRC in the 1990s.
- Rooms with support for 12 people, using Socket.io to keep gamestate updated across all users.

Education

Syracuse University *2016-20*
B.S. in Applied Math; Minors in
Computer Science and Physics

Semester Abroad at Yonsei
University - Spring 2019
GPA: 3.6

Technical Skills

Docker
Javascript
Common Lisp
Kubernetes
Clojure (full personal website)
React
Node.js
Python
Haskell
Java
C/C++
Unix (full-time Linux user)
Emacs User
SQL (Postgres)
[Hobby typist](#)