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## Skills

Languages	Technologies	Databases	Development	Platforms	Tools	Methodologies
Bash, Ruby, Javascript, Python, Java	HTML5, CSS3, SCSS/Sass/LESS, JQuery, Node.js, Rails	MySQL/MariaDB, SQLite, PostgreSQL/PostGIS, MongoDB	IntelliJ, Vim, Emacs + Evil	Web, Windows, Linux, Android	GitHub, GitLab, Vagrant, Docker	Agile, SCRUM, Continuous Integration

## Education

- B.A. Computer Science, 2015 • Hunter College, City University of New York (CUNY).** Founder and President, Association for Computing Machinery (ACM) Student Chapter.
- A.S. Computer Science, 2010 • State University of New York (SUNY) Orange.**

## Experience

### NYC Makes PPE

#### Volunteer

March 2020 - Present

- Manage delivery data, maintain public web properties and internal tools, for a volunteer group of makers and healthcare professionals leveraging DIY manufacture technologies to support PPE production and supply in NYC and the world at large.

### LibreHealth

#### Infrastructure Engineer

September 2016 - Present

- Introduced and adopted configuration management (Ansible), observability and monitoring (Datadog, Uptime Robot, updown.io), and other engineering best practices to architect and built out greenfield infrastructure.
- Collaborate with the open community and provide infrastructure support for free & open source Health IT software projects.

### OpenMRS

#### Manager, Identity Systems

January 2015 - September 2016

- Maintained SSO service (Node.js, MongoDB, OpenLDAP). Introduced Docker, completely improving safety of prod deploys.
- Immediately benefited from more effective incremental and iterative changes because of easy development and testing.
- Integrated SSO for disparate systems across the organization including: Discourse, Atlassian Confluence and Jira.
- Provided infrastructure team direction and steering. Provided support to the community, responded to 24h on-call rotations.

### CUNY Codes Program

#### Software Engineer

February - April 2016

- Developed a crowd-sourced street parking application: [ParKEZ](#) (Android OkHttp client, Google Maps API for map renders).
- For our backend, deployed Ruby on Rails 5, and PostgreSQL with the PostGIS extension for geospatial queries.
- As a 3-person team, learned agile methodology and practiced Scrum framework with Pivotal Tracker, practicing as scrum master.

### Google Summer of Code

#### Organization Administrator, Mentor

2011 - 2013, 2015 - present

- Drawing on past experiences, as Mentor, provided onboarding and training of Student developers. Includes teaching practical software development skills not learned in the classroom, instilling effective technical communications skills, establishing realistic timeline/work objectives and expectations, and constantly providing 1:1 feedback/evaluation to temper students into engineers.
- As Organization Administrator, represent LibreHealth and work with Google Program Administrators to define open source projects with available tasks, screen and qualify Mentors, establish timelines and scopes of work for Students, and help build and maintain a safe, inclusive, and effective learning environment.
- Work collaboratively with Mentors to ensure student growth while meeting or exceeding project performance indicators, while problem solving underperforming groups with continuous evaluation and regular communication.
- Listen compassionately and confidentially to program participant reports, handling interpersonal issues, conflicts of interests, or in especially severe circumstances (e.g. harassment, abuse), handle objectionable behaviors by report to Program Administrators.

#### Software Engineer

Summers 2008 - 2010

- Under Burke Mamlin, M.D., developed a new form entry system using Apache Groovy for OpenMRS, a medical record system.
- Under Michael Seaton, developed a non-patient centric data collector for statistical reporting for OpenMRS.
- Under Michael Howden, developed an impact assessment/survey tool for Sahana Eden, a disaster relief management platform.

### Google Code-in Competition

#### Mentor

2011 - 2018

- Introduced the world of open source software development to pre-university students aged 13-17 in a competition environment.
- As Mentor, worked hand-in-hand with students, providing technical experience and coaching on software development tasks, made bite-sized and tractable to get students excited and on their way to pushing their open source project up the leaderboards.

### Independent Living, Inc.

#### Data Entry Specialist

January 2001 - May 2008

- Assisted the IT director in setting up new systems, processed intake forms, performed other data entry tasks as needed.

## Other Experiences and Interests

### Hack Manhattan Makerspace

#### Member

August 2012 - May 2021

#### Board Member

February 2020 - May 2021

- Only public makerspace in the middle of Manhattan centered around STEAM, with activities ranging from 3D printing to getting on the air waves with amateur (ham) radio. As a member, supported newcomers and visitors interested in art/craft/technology to come in, work on their projects, and join the membership organization and community around it.
- As a trusted privileged member, managed space IT and online infrastructure, made technology steering decisions.