afprusin@gmail.com

Mason, MI 48854

# Andrew F Prusinowski

404.482.2782

https://lnkd.in/in/afprusin

https://github.com/afprusin

## SENIOR SOFTWARE ENGINEER

Java | Python | C | Ruby | TensorFlow | AWS | Git | Mercurial | Maven | TDD
Agile Development | Continuous Integration | Computational Chemistry | Bioinformatics

## PROFESSIONAL EXPERIENCE

### CTO/Co-Founder
Collective Scientific                                                April 2016 – Present

Responsible for the design and development of pharmacophore and molecular mechanics software to empower rapid and cost-effective pharmaceutical drug discovery. (Java, Python, C, Fortran, TDD, TensorFlow, Mercurial, AWS)
  - Leading design and implementation of highly scalable computational chemistry frameworks and microservices.
  - Applying machine learning and statistical methods to develop novel predictive scoring systems.
  - Adapting and translating third party software and libraries to operate seamlessly on cloud platforms.
  - Holding weekly stakeholder meetings to clearly define milestones and evaluate progress.
  - Identifying, documenting, and prioritizing both current and projected software needs.

### Software Developer II
Jackson National Life                                                May 2014 – April 2016

Developed and maintained large scale systems and databases for asset trading, portfolio management, and financial reporting.  (Java, .NET, C, JS, Perl, DB2, Git)
  - Selected as developer for scrum projects to design and implement customer-facing web services.
  - Served as buildmaster for critical financial trading deployables; assisted with build pipeline modernization.
  - Maintained legacy trading and job processing systems written in a wide variety of languages.
  - Provided first response on-call support to ensure compliance with 24/7 'open for business' regulations.
  - Participated in the onboarding and education of new software developers and interns.

### Signals Analyst
United States Air Force                                                July 2008 – July 2012

Performed time-critical signals intelligence detection, analysis, and reporting for in-house and national level customers. (ELINT, Solaris)
  - Operated signals analysis systems in multiple deployed locations and roles to include 100+ airborne hours.
  - Volunteered and accepted for interdisciplinary airborne training to meet ever-changing mission needs.
  - Continuously qualified and selected for promotion at earliest opportunities during term of service.
  - Participated in the mentoring, training, and testing of numerous apprentice team members.
  - Held TS/SCI security clearance.

### Software Developer
ITOxygen                                                December 2006 – January 2008

Developed lightweight web-based information management systems for local nonprofit organizations.
(Java, Ruby on Rails, Struts)
  - Met with customers to establish business needs, demonstrate progress, and document feedback.
  - Engaged in paired programming within tight-knit teams focused on TDD and maintainability.

## EDUCATION

Michigan Technological University, Houghton, MI                                                May 2014
**Bachelor of Science (BS), Computer Science**