

Arlo Herrine

arloherrine@gmail.com 610-639-8325 <https://arloherrine.github.io>

I have a wide variety of experience in software, from point of sale software to natural language processing to global search engines. I have a drive to innovate, explore, solve interesting problems, and build great things.

SKILLS

JAVA	Java 6, Java 7, Java 8, Spring, Eclipse, IntelliJ IDEA, Guava
PYTHON	Python 2, Python 3, Virtual Env
WEB DEVELOPMENT	Javascript, JQuery, AJAX, Closure, Soy templates, HTML, HTML5, CSS
GNU/LINUX	Bash, Zsh, Shell script
DATABASES	SQL, MySQL, MongoDB, Cassandra
MOBILE	iOS, Objective-C, Xcode, Android, Android Studio

EXPERIENCE

Indeed.com

Software Engineer Aug 2014 - Present

- Improved job posting javascript frontend using Closure library and compiler with soy template
- Added new features, fixed bugs, and improved performance on Java/Spring/Tomcat backend. The backend also used MySQL, MongoDB, and RabbitMQ
- Implemented and supported internal tooling for other engineers
- Created internal developer environment system using bash and python scripts around docker
- Maintained and improved internal deployment management webapp using a soy template with JQuery frontend and a Java/Spring/Tomcat backend interfacing with git and Gitlab and Atlassian APIs

IPsoft

Research and Development Engineer Feb 2013 - Aug 2014

- Led a geographically separated team of developers in the creation of a new artificial intelligence system for human interaction, supported by relational and graph databases
- Estimated and assigned new features and bugs to my team
- Managed the project using agile methodologies
- Designed and implemented a first order logic engine for interpreting and then acting upon natural language
- Conceived and realized the machine learning system for dynamically creating and executing new business processes

- Fine tuned module for understanding, analyzing, and storing natural language, then generating natural language responses
 - Demonstrated and explained the functionality and design of the system to high level executives at enterprise clients
-

Google

Software Engineer Feb 2012 - Feb 2013

- Developed library for deploying video ads in client applications
 - Fixed bugs in Flash, Javascript, iOS, and Android versions of the library
 - Designed and implemented an original new version of the Android library
 - Created a new version of the library for Samsung smart TV
 - Maintained and expanded unit and integration tests
 - Managed public releases of the library
 - Meticulously documented all code changes and new additions
-

Micros Retail Systems

Associate Applications Engineer Aug 2010 - Mar 2012

- Developed Java point of sale application
 - Developed and deployed iOS point of sale application
 - Designed and implemented customer specific modifications
 - Interfaced with customers to determine requirements for modifications and configurations
 - Worked with quality assurance to resolve feedbacks
-

TerraCycle

Intern Jun 2009 - Aug 2009

- Constructed database using PHP and MySQL
 - Managed variety of customer service information
 - Interfaced with customers and solved customer problems
-

Oberlin College

Lab Teaching Assistant Sep 2008 - Dec 2009

- Assisted students with Computer Science projects
 - Explained concepts to students
-

Environment America

Field Manager Jun 2008 - Aug 2008

- Canvassed areas of the greater Philadelphia area for environmental issues
- Solicited for and collected donations
- Trained new canvassers
- Coordinated areas for others to canvas
- Lobbied members of the Pennsylvania government

EDUCATION

Oberlin College

Sep 2007 - May 2010

Bachelor - Computer Science GPA: 3.67