Austin Malerba

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Objective

Fifth year Computer Science Honors student seeking full time employment following May 2017. Fields of interest include web development, data structures and algorithms, and data mining.

Education

Rochester Institute of Technology (RIT), Rochester, N.Y.

- **BS in Computer Science** (expected May 2017).
- **GPA**: 3.960/4.000, Honors program, Dean's List: all terms to date.
- **Courses**:

Computer Science I & II	Principles of Data Management
Mechanics of Programming	Intro to Digital Systems
Intro to Computer Science Theory	Principles of Data Mining
Probability and Statistics I	Concepts of Parallel and Distributed Systems
Analysis of Algorithms	The Algorithm Design Manual (Steven Skiena)
Intro to Intelligent Systems	Practical Object Oriented Design in Ruby

Skills

- **Languages**: Java, Python, C, JavaScript, SQL, HTML5, CSS.
- **Libraries/other tools**: Angular, Django, Node (Express), Handlebars, AWS EC2, nginx, gunicorn.
- **Software**: Git, Eclipse, PyCharm, Atom, Vim, RTC SCM, Unix, Windows.

Work Experience

Software Engineer (Intern) - Epic. - (September 2016 – December 2016)

Software Engineer (Intern) - Target. - (June 2016 – August 2016)

- Implemented features for an internal supply chain forecasting web app (Angular/Node).
- Utilized internal REST API microservices to display product information in app.
- Implemented frontend and backend error handling.
- Implemented several Angular directives including infinite scrolling, C3 chart, auto-tab, and csv export.
- Implemented multi-level sorting and searching, with search query highlighting.
- Utilized tools including Scrum, Git, Gulp, Bower, NPM, Angular Material, Jira, Jenkins.

Java Developer (Intern) - Paychex, Inc. - (May 2014 – December 2014)

- Worked on both server (Hibernate, OracleDB) and client (Java Swing) side development.
- Implemented SMTP notification service to notify supervisors of changes to companies/workers.
- Added new text field to company information screen with auto-population functionality.
- Resolved defects and wrote JUnit tests to improve code coverage.

Projects

- **Giftstr.com** (Angular/Django) – A gift recommendation service powered by a user-based collaborative filtering algorithm. The frontend is implemented in Angular and interfaces with a REST API built with Django. The backend also integrates the Amazon products API and Postgres to provide gift suggestions to users.

- **RESTful API** (Django REST Framework) - An API to serve as the backend for a mobile app which will allow users to upload and search for notable spots in nature. The server utilizes a Postgres DB (chosen because of it's exceptional support for geospatial queries).

- **Social Network** (Django) - A social network akin to Tumblr. Implemented with Django, jQuery, Handlebars, and Postgres. The site features lazy loading, async post liking/deleting, following, reblogging, and blog customization among other things.