**Jordan Rickman**

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Junior software engineer, returning to industry after a year in academia. Strong experience in Java, Python, and full-stack web development including REST API specification and integration.

**Programming Environments:**

* **Javascript** - jQuery, AngularJS, HTML/CSS
* **Java** - backend, JSON REST APIs, SQL, MongoDB
* **Python** - backend, JSON REST APIs, scripting/automation

**Experience**

*TravelClick*Orlando, FL Apr 2015 – August 2015

**Software Engineer**

* Worked on a team transitioning legacy software to a Java enterprise service bus architecture.
* Added a feature logging requests to an ElasticSearch database.
* Of own initiative, built a web GUI in AngularJS to the WireMock mocking service, greatly streamlining our integration testing process.

*AAA National Office* Lake Mary, FL

**Programmer Analyst** Sep 2014 – Apr 2015

* Full-stack web development - jQuery frontend, Java backend
* JSON REST APIs development, with data validation and translation from 3rd-party APIs.
* Integration with both SQL (Oracle) and NoSQL (MongoDB) databases.

*Wireless Health Institute at UCLA* Los Angeles, CA

**Student Researcher**  June 2013 - August 2013

* Automated our data analysis pipeline using Python scripts.
* Revised an Android app to use multi-threading, leading to significant improvement in responsiveness.

**Education**

*University of California, Irvine* Sept 2015 - June 2016

PhD Informatics (Software Engineering) - *incomplete*

* Coursework in software architecture and human-computer interaction.

*Rollins College* Winter Park, FL Aug 2010 - May 2014

**Bachelor of Arts with Honors in Mathematics**

**Minor in Computer Science**

* Concentration in theoretical computer science and discrete math, with coursework in formal logic, graph theory, formal languages, and automata.

**Projects**

*Geo-Poetry* e-Lit Project at UC Irvine

* Developed a REST API in Python using the Flask microframework, and a web frontend using AngularJS.
* Managed software development lifecycle using a test-driven methodology.
* Code available open-source at <https://github.com/UCI-TPL>.

*Artificial Intelligence and Course Timetabling* Undergraduate Honors Thesis

* Developed a novel algorithm to solve timetabling problems using graph-coloring heuristics.
* Modified a Java desktop application to use the new algorithm, including a complete redesign of the data structures and addition of caching, both needed to reduce memory usage.
* Presented work at an international conference.