

# 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.