

# Trisdan Leyson

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## Education

- 2014 **Bachelor of Science**, *University of California, Davis*.  
Computer science; general course, focused on applied theory and discrete mathematics.
- 2011 **Associate of Arts**, *Yuba College*, Marysville, CA.  
General education, Arts and Humanities.

## Projects

- C++ Lexer and semantic analyzer for a compiler for an object-oriented language with a provably sound type system. Semantic analyzer did type checking for the language.
- C++ Robot arm control system. A reimplementaion of some older procedural code with an object-oriented interface and better design and code quality. Code at <http://github.com/tsleyson/JointMove>.
- Python Sound change applier for hobby language creation. Code and further details at <http://github.com/tsleyson/PySounds2>.
- Clojure Document formatter for preparing a collection of HTML documents for publication with Amazon Kindle Direct Publishing. Code and further details at [http://github.com/tsleyson/kindle\\_pub\\_formatter](http://github.com/tsleyson/kindle_pub_formatter).

## Experience

- 2009–2011 **English Tutor**, *Writing and Language Development Center*, Yuba College, and Jan Marysville, CA.
- 2014– Assisted students, one-on-one or in small groups, with development of language and writing skills, including grammar, punctuation, word-use, rhetoric, and English as a Foreign Language.

## Programming Languages and Other Skills

- Python Most experience
- Java Most experience
- C++ Most experience
- Javascript Some knowledge
- Clojure Some knowledge
- English **Native speaker**
- Spanish **Basic fluency**
- Japanese **Second-year university level**
- Writing Proficient. Maintain a technical blog, *The Poetry of Computer Science* (<http://porgionesanke.wordpress.com>).

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## Other Activities

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| Linguistics                   | Longtime hobby   |
| Reading                       | Classical literature, history, philosophy, popular science |
| Mathematics<br>and statistics | Recent hobby   |