RANSOM WILLIAMS

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EDUCATION

Southwest University for Nationalities *October 2012 - July 2014*
Mandarin language courses
California Institute of Technology *June 2010*
B.S. in Mathematics

WORK EXPERIENCE

Juji January 2018 – present
Full Stack Developer *Los Angeles, CA, USA*

· AI conversation business concept
· Initial work experience with full-stack Clojure web development
· Leveraged existing Python experience building service wrappers around ML prototyping
· Collaborated with experienced team-members
· Continued maintance and development of an established Clojure project

Bargible April 2016 – May 2017
Web Developer *Los Angeles, CA, USA*

· Online game/ecommerce hybrid business concept
· Extensive updates to existing implementation, both technical and feature-driven
· Continued Python experience, particularly Python 3
· Initial work experience with fully modern frontend JS patterns
· Broadened understanding of the requirements management picture

Filentech October 2014 – December 2014
Web Developer (Consultant) *Manila, Philippines*

· Built a web-based accounting system and cash portal for an online casino
· Java backend with Play, simple AJAX frontend with JQuery

Cinafides Consulting March 2013 – June 2014
Systems Developer *Chengdu, China*

· Rapid prototyping of web and mobile applications
· Hacked out some short-term projects
· Gained business experience and client-facing insight

Synaptics March 2011 – July 2012
Simulation Engineer *Santa Clara, CA, USA*

· Designed, developed, and maintained automated hardware testing framework
· Firmware build system edits

TECHNICAL STRENGTHS AND PROJECT EXPERIENCE

- General-purpose programming languages – Python, C, Clojure, Javascript, Java, Lua, Haskell

- Domain-specific languages, dialects, and preprocessors – SQL (SQLite, Postgres), [wip] Datomic, HTML (Hiccup, React Templates, Jinja), CSS (Garden, Less), cpp

- Shell languages – bash, dash, Perl (jk), rc

- Asynchronous programming mechanisms – core.async in Clojure, asyncio in Python 3

- Server-side web stacks – Compojure and hugsql as well as some familiarity with Venia and Datomic in Clojure; prefer Flask/werkzeug and friends (Marshmallow, etc.), SQLAlchemy (at least the core toolkit), and aiohttp in Python; some Java and Javascript experience (Play, express)

- Reactive web client-sides – Reagent and Rum React wrappers with or without Re-frame and Citrus state containers in CLJS; React in JS with alt.js state container (wip Redux)

- Testing utilities – standard library in Python; standard library in Clojure + doo and devcards for Clojurescript; tape+proxyquire in JS with Enzyme to emulsify React components; JUnit

- Miscellanious APIs and standards – Immutable and Ramda (wip Monet) in JS; components and spec in Clojure; system-level io (e.g. sockets, subprocesses); redis pubsub; some AMPQ experience, some Kafka; OAuth, SAML; distant AVR work experience; very distant GTK and Java applet hobbyist experience; recent 9P fanatacism

- Miscellanious Tools – emacs, git, pip, lein, npm, tmux, AWS EC2, [wip] Docker, Jenkins (user-level), sam

- Concepts – HTTP APIs (GraphQL, REST), OOP, FP, CSP, coroutines, finite-dimensional vector spaces

ACTIVITIES AND WORK IN OTHER AREAS

Independent Study   June 2017 – August 2017
.   *Kathmandu, Nepal*

· learned a few phrases in Nepali. practiced JS and Clojure. read math, CS, and NLP texts

Volunteer Tutoring   September 2015 – May 2017
.   *Los Angeles, CA, USA*

· off-and-on weekly volunteering through School on Wheels

Cognitive science   October 2015 – December 2016
.   *Los Angeles, CA, USA*

· participation in weekly meetings at Prof. L. Shams UCLA lab

Tutoring   September 2015 – April 2016
.   *Los Angeles, CA, USA*

· private lessons, a tutoring center (2015 only), and volunteering through School on Wheels

ESL Teacher   August 2012 – February 2013
.   *Chengdu, China*

· taught classes at iSmart, a locally-owned and -operated private English school