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Walnut Creek, CA 94596

GRANT REED

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EXPERIENCE

Co-creator	Ouroboros	March 2018 - present
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In-browser, reflex-based p2p game built with Node, React, Redux, and WebRTC

- Implemented a Conflict-free Replicated Data Type (CRDT) to ensure eventual consistency of game state across peers
- Devised predictive algorithms to improve user experience
- Wrote a detailed paper on the development process
- Collaborated with a remote team member on a daily basis
- **Website:** <https://ouroboros-game.herokuapp.com>

EDUCATION

Davis, CA	University of California	2011 - 2014
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- B.S. in Evolution, Ecology, and Biodiversity

PROJECTS

Reaction

- Clone of Trello project management software
- Implemented with Rails backend and React frontend
- **Github:** <https://github.com/GrantDReed/reaction-trello-clone>

LANGUAGES AND TECHNOLOGIES

- Javascript, Ruby, PostgreSQL, HTML, CSS
- React, Redux, Ruby on Rails, Sinatra, Git, WebRTC

PREVIOUS EMPLOYMENT

Lab Technician II	California Seed and Plant Labs	August 2014 - August 2015
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Seed Health Lab

- Directed renovation of unused office space for an additional processing room, increasing processing volume by 50%
- Designed and carried out a multi-part experiment as a QA measure to ensure efficacy of current testing protocols
- Introduced a new filing system to improve workflow
- Promoted to Lab Technician II after 3 months

Lead Field Technician	University of Toronto Mississauga	May 2013 - August 2014
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McCauley Lab

- Retrofitted 24 cattle troughs with heating units and temperature sensors to serve as rearing tanks for study species
- Promoted to Lead Technician after first season