

# Derek Cook

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## EDUCATION

### **The University of Arizona**

Computer Science, B.S.

**Graduation Date:** December 2016

- **Upper Division Courses:** Software Engineering, Databases, Algorithms, Compilers

## TECHNICAL SKILLS

- **Skills:** Java, Javascript, ES6, Node, React, Redux, Jest, Enzyme, Jenkins, Netlify CI/CD, Ruby.

## WORK EXPERIENCE

### **Software Engineer - *American Express* (2018 - present)**

- Development, testing, and deployment of card account website products with an emphasis on React, Redux, Jest/Enzyme, Jenkins.
- 1st place team in annual Innovation Fair 2018.
- Team award for product ownership that generated the highest digital revenue of all products in 2018.
- Team award for Special Recognition, Growth Hack 2018.

### **Co-Founder and Software Engineer - *Coins, coins-app.io* (2016 - 2017)**

- Responsible for implementing React and Redux frontend for the web app including communication with our rails API and continuous deployment. *Coins* is a web and mobile app for tracking investment portfolios.

### **Tech Intern at Zivatar (2015)**

- Assist development team with planning, analyzing, and testing features leading up to first launch.

## PROJECTS

- **Nutrition Label:** Alexa skill for requesting nutritional info using Wolfram|Alpha API and Node.js, individually developed and published on the Alexa skill store in March 2017.
- **Menupedia:** Hybrid web/mobile app for browsing and reviewing restaurant menus. I designed and developed hierarchical backend using Firebase, scrum master and product owner within a team of 4.
- **Amazon Coding Competition 2016:** 3rd place team; we built an Alexa skill that tracks nutritional info with Node.js on an AWS Lambda function.
- **Hack Arizona 2015 and 2016:** projects include a mobile app for nutrition requests with Wolfram API and automated accounting invoices with Intuit API.
- **Settlement Management:** Computer game made entirely in Java with random map generation and AI.
- **Database Web App:** 3-tier architecture consisting of SQL/Java backend with JSP and Javascript/HTML/CSS for business logic and frontend, built in a team of 4.
- **Artist Portfolio:** Static website for a small business using Jekyll blog-aware tools.