

# Derek Cook

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open to relocation

## Education

### The University of Arizona

Computer Science, B.S.

- **Graduation Date:** December 2016
- **Upper Division Courses:** Software Engineering, Databases, Algorithms, Compilers

## Skills

### 3.5 years of developer experience, primarily on front-end development

- **Front-End:** Javascript, ES6, Node, React, Redux, Jest, Enzyme, HTML, CSS, Apollo GraphQL, client-side optimization, A11Y, immutable, Babel, Webpack.
- **Back-end:** Java, Node and Express, REST, RPC, AWS Lambda, Amplify, Appsync, API Gateway, GraphQL.
- **Other:** Jenkins CI/CD, Docker.

## Professional Experience

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

- Development, testing, and deployment of card account website lending products used by millions of card members worldwide.
- 100% coverage threshold for unit testing
- Led the front-end project for the new Balance Transfer product.
- Emphasis on React front-end; REST, RPC, and serverless backend architecture.
- Team award for development of products that drove the highest digital revenue in 2018.
- 1st place team in the annual Innovation Fair 2018.
- Team award for Special Recognition, Growth Hack 2018.
- Engineering Award recipient October 2019

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

- *Coins* is a web and mobile app for tracking cryptocurrency portfolios.
- Responsible for implementing the front end for the web app, built with React and a Rails backend.

## 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 a noSQL 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.