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, SQL, Ruby, Ruby on Rails, Javascript, Node.js, React.js, Redux, Express, MongoDB Haskell
- **Other:** Linux, Scrum (Agile) processes, UML

WORK EXPERIENCE

Web Developer (2017)

- Independent developer of various web technologies including Alexa skills and internal data management apps on freelance basis.

Tech Intern at Zivatar (2015)

- Analyze client needs for features, test the mobile app for every version release leading up to launch to ensure a working product with no major bugs.
- Assist with marketing, communication between management and development team, and planning new features; report to CEO and CMO.

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.
  - 1428 unique users in 3 months, 4752 utterances (average of 55 per day).
- **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 scrum environment in a team of 4.
- **Amazon Coding Competition 2016:** 3rd place team; we built a skill that tracks nutritional info with Node.js on an AWS Lambda function.
- **React App:** Redux and non-Redux versions of a full stack app built on Node/Express/Mongo server with React client for tracking employee records: github.com/derek-cook/my-react-app.
- **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 for character movement, built in a team of 4.
- **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.

LEADERSHIP EXPERIENCE

Student Alumni Ambassadors (2013 - 2015)

- Annual Member of the Year scholarship recipient of 2014
- Design and plan mobile app project, "A-Book," for the largest club on campus (500+ members)

Ventura County Indian Education Consortium, Title VI (2010 - 2011)

- Elected student representative of 1,750 enrolled Native American students K-12, annual scholarship recipient and Student of the Year recognition
- American Indian Summer Institute in Computer Sciences at UC Irvine (2010)