

# Chuck Dries

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CS Student specializing in web development

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<https://chuckdries.com>

GitHub: chuckdries

## Education

**BS Computer Science at Arizona State University** - Graduating: Spring 2019

Barrett, The Honors College & The Ira A. Fulton School of Engineering

Relevant coursework:

- |                                       |                                  |                                 |
|---------------------------------------|----------------------------------|---------------------------------|
| - Data Structures & Algorithms        | - Physics II: Elctrc/Magnet      | - Digital Design Fundamentals   |
| - Object-Oriented Programming         | - Intro to Programming Languages | - Algorithmic Problem Solving   |
| - Calculus for Engineers I, II, & III | - Discrete Math Structures       | - Intro to Software Engineering |
| - Physics I: Mechanics                | - Applied Linear Algebra         |                                 |

## Skills

<b>Web</b>	HTML, CSS, Javascript, VueJS
<b>Programming</b>	Javascript, C++, Java, C# with Unity, Python, Scheme, Bash
<b>Design</b>	Photoshop, InDesign, After Effects, Premiere Pro
<b>Etcetera</b>	Leadership experience, KVM/LibVirt/QEMU, ESXi

## Work Experience

<b>The State Press</b> <i>August 2016 - Now</i>	<i>Digital Developer (Spring &amp; Fall 2017), Graphics Editor (Fall 2016)</i> <ul style="list-style-type: none"><li>Created the Graphics desk to meet the needs of a new generation of news media</li><li>Managed creative projects and the artists involved in them</li><li>Ensured editorial deadlines were met</li><li>Developed unique interactive content for high profile stories</li></ul>
<b>Desert Community Robotics</b> <i>March 2013 - July 2016</i>	<i>Teacher</i> <ul style="list-style-type: none"><li>Taught classes on Lego Mindstorms robotics, video production, basic physics</li><li>Ran a technology summer camp that included everything listed above and Seaperch underwater robotics</li></ul>
<b>Starbucks</b> <i>Summer 2016</i>	<i>Barista</i> <ul style="list-style-type: none"><li>Made coffee and served it to customers</li></ul>

## Projects

<b>Medication Tracking Solution</b> <i>Opportunity Hack 2017</i>	<ul style="list-style-type: none"><li>Allows foster organization Sunshine Acres to track and report medication given to foster children per Department of Child Safety requirements</li><li>Two front ends: one for health administrator, one for foster parents</li><li>HA client is VueJS web app with Vuex, Vue-router, Typescript, Bootstrap</li><li>Parent client is VueJS PWA with Vuex, Materialize</li><li>Backend in Node, MySQL</li></ul>
<b>Chat Platform</b> <i>Techbuds Solutions</i>	<ul style="list-style-type: none"><li>Slack clone with custom features for penny stock trading community</li><li>Frontend in VueJS with Vue-router and custom centralized state management</li><li>Backend Node, Mongo, Socket.io</li><li>Runs on Docker+Kubernetes, load balanced behind Nginx</li></ul>
<b>Virtual Keyality</b> <i>Desert Hacks 2017</i>	<ul style="list-style-type: none"><li>VR Typing Game in Unity</li><li>Uses SteamVR API for virtual reality and AWS Lambdas to queue up words</li></ul>
<b>Volunteer Management Portal</b> <i>Opportunity Hack 2016</i>	<ul style="list-style-type: none"><li>Tracks time in, time out, total hours, attendance, etc. for volunteers and events.</li><li>Backend Mongo, Node, Express</li><li>Frontend Nunjucks &amp; Bootstrap</li></ul>

## Community Service, Honors, and Awards

<b>Eagle Scout</b>	<i>The Boy Scouts of America</i>
<b>Volunteer Service Award</b>	<i>The White House</i> Awarded for over 200 hours of service to Phoenix Children's Hospital.
<b>First Place</b>	<i>Desert Hacks 2017</i>
<b>First Place</b>	<i>Opportunity Hack 2017</i>
<b>Third Place</b>	<i>Opportunity Hack 2016</i>

