

# Chuck Dries

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Tech / Design / Photography / Leadership

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[chuckdries.com](http://chuckdries.com)

[github.com/chuckdries](https://github.com/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:

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

## Skills

<b>Web</b>	HTML5, CSS3, Javascript & Node
<b>Programming</b>	Java, C, C# with Unity, C++, 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>	<u>Digital Developer (Spring &amp; Fall 2017), Editor (Fall Semester 2016)</u> <ul style="list-style-type: none"><li>Created the Graphics desk from scratch to meet the needs of a new generation of news media</li><li>Developed automated tools to streamline content production</li><li>Managed creative projects and the artists involved in them</li><li>Ensured editorial deadlines were met</li></ul>
<b>Desert Community Robotics</b> <i>March 2013 - July 2016</i>	<u>Teacher</u> <ul style="list-style-type: none"><li>Taught classes in Lego Mindstorms robotics, web design, video production, basic physics and mechanics principles</li><li>Ran a technology summer camp that included everything listed above and Seaperch underwater robotics</li></ul>

## Project Experience

<b>Chat Plaform</b> <i>Techbuds Solutions</i>	<ul style="list-style-type: none"><li>Slack clone with custom features for stock traders</li><li>Front end Vue.js and Socket.io</li><li>Back end Node, Mongo, Socket.io</li><li>Build process so complex I'm genuinely proud of myself for setting it up</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>Back end Mongo, Node, Express</li><li>Front end Nunjucks &amp; Bootstrap</li></ul>
<b>PaperBoy</b> <i>The State Press</i>	<ul style="list-style-type: none"><li>Slack bot in Node to automate newsroom tasks</li><li>Notifies writers when their content publishes</li><li>Consumes Slack RTM API and our CMS's in house API</li></ul>
<b>Sorting Algorithm Visualizer</b> <i>Personal Project</i>	<ul style="list-style-type: none"><li>Visualizes a variety of sorting algorithms</li><li>UI with Two.js</li></ul>
<b>Unreleased Gardening Game</b> <i>Personal Project</i>	<ul style="list-style-type: none"><li>VR game about planting and tending to flowers and other flora</li><li>Building in Unity</li><li>Run on SteamVR/HTC Vive, probably also on Oculus Rift (untested)</li></ul>

## Community Service, Honors, and Awards

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