# Chuck Dries

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Tech / Design / Photography / Leadership

## 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
- Calculus for Engineers I, II, & III
- Physics I: Mechanics
- Univ. Physics II: Elctrc/Magnet

- Programming Languages
- Discrete Math Structures
- Applied Linear Algebra
- Digital Design Fundamentals

- Algorithmic Problem Solving
- Intro to Software Engineering
- Algorithms & Data Structures
- Engineering Probability & Statistics

## Skills

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|---|---|
| **Web** | HTML5, CSS3, Javascript & Node |
| **Programming** | Java, C, C# with Unity, C++, Python, Scheme, Bash |
| **Design** | Photoshop, InDesign, After Effects, Premiere Pro |
| **Etcetera** | Leadership experience, KVM/LibVirt/QEMU, ESXi |

## Work Experience

**The State Press**
*August 2016 - Now*

Digital Developer (Spring & Fall 2017), Editor (Fall Semester 2016)
- Created the Graphics desk from scratch to meet the needs of a new generation of news media
- Developed automated tools to streamline content production
- Managed creative projects and the artists involved in them
- Ensured editorial deadlines were met

**Desert Community Robotics**
*March 2013 - July 2016*

Teacher
- Taught classes in Lego Mindstorms robotics, web design, video production, basic physics and mechanics principles
- Ran a technology summer camp that included everything listed above and Seaperch underwater robotics

## Project Experience

**Chat Plaform**
*Techbuds Solutions*
- Slack clone with custom features for stock traders
- Front end Vue.js and Socket.io
- Back end Node, Mongo, Socket.io
- Build process so complex I'm genuinely proud of myself for setting it up

**Volunteer Management Portal**
*Opportunity Hack 2016*
- Tracks time in, time out, total hours, attendance, etc. for volunteers and events.
- Back end Mongo, Node, Express
- Front end Nunjucks & Bootstrap

**PaperBoy**
*The State Press*
- Slack bot in Node to automate newsroom tasks
- Notifies writers when their content publishes
- Consumes Slack RTM API and our CMS's in house API

**Sorting Algorithm Visualizer**
*Personal Project*
- Visualizes a variety of sorting algorithms
- UI with Two.js

**Unreleased Gardening Game**
*Personal Project*
- VR game about planting and tending to flowers and other flora
- Building in Unity
- Run on SteamVR/HTC Vive, probably also on Oculus Rift (untested)

## Community Service, Honors, and Awards

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