

Chuck Dries

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Tech / Design / Photography / Leadership

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<https://chuckdri.es>

GitHub: chuckdries

Education

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

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

Classes taken:

- Prin. of Programming in Java
- Object-Oriented Programming
- Honors Leadership
- Calculus for Engineers I, II, & III
- Univ. Physics I: Mechanics
- Univ. Physics II: Elctrc/Magnet
- Intro to Programming Languages
- Discrete Math Structures
- Applied Linear Algebra
- Digital Design Fundamentals
- Algorithmic Problem Solving
- Mars Exploration seminar
- The Human Event
- Beginning Workshop Poetry
- Intro to Film
- Witchcraft & Heresy in Europe
- Intro to Psychology

Skills

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 <i>August 2016 - Now</i>	<i>Digital Developer (Spring Semester 2017), Graphics Editor (Fall Semester 2016)</i> <ul style="list-style-type: none">• Created the Graphics desk to meet the needs of a new generation of news media• Managed creative projects and the artists involved in them• Ensured editorial deadlines were met• Developed unique interactive content for high profile stories
Desert Community Robotics <i>March 2013 - July 2016</i>	<i>Teacher</i> <ul style="list-style-type: none">• Taught classes on Lego Mindstorms robotics, video production, basic physics• Ran a technology summer camp that included everything listed above and Seaperch underwater robotics
SWHacks <i>March 2017</i>	<i>Internet Infrastructure coordinator</i> <ul style="list-style-type: none">• Worked with UTO and vendor CenturyLink to define requirements for and set up wired and wireless internet for the hackathon

Projects

Virtual Keyality <i>Desert Hacks 2017</i>	<ul style="list-style-type: none">• VR Typing Game in Unity• Uses SteamVR API for virtual reality and AWS Lambdas to queue up words
Volunteer Management Portal <i>Opportunity Hack 2016</i>	<ul style="list-style-type: none">• Tracks time in, time out, total hours, attendance, etc. for volunteers and events.• Backend Mongo, Node, Express• Frontend Nunjucks & Bootstrap
Linker <i>Personal Project</i>	<ul style="list-style-type: none">• Provides a static URL to easily save and deliver arbitrary text• NodeJs service in under 50 lines• Client is a set of 1 line bash scripts that GET and POST the URL
Sorting Algorithm Visualizer <i>Personal Project</i>	<ul style="list-style-type: none">• Visualizes a variety of sorting algorithms• Runs entirely client side in the browser• Draws graphs of sorted data with TwoJS

Community Service, Honors, and Awards

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