**Christopher Denny**

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**EDUCATION**

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| **The University of Texas at Austin** – GPA: 3.74 / 4.0 | May 2018 |

B.S. in Computer Science, Turing Scholar Honors

Thesis: [Mirovia](https://apps.cs.utexas.edu/apps/sites/default/files/tech_reports/mirovia-benchmarking-suite.pdf) - A Benchmarking Suite for Modern Heterogeneous Computing

**WORK EXPERIENCE**

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| **Rubrik** – Software Engineer, *Infinity VMware Team* | September 2018 – Present |
| * Architected snapshot data service that processes 70% of all customer data   + - Improved backup stability by 80% and and increased backup speed by 70%     - Patented a mechanism for serializing asynchronous requests during ingest | |
| * Designed flexible SLA assignment through vSphere tags, opening up $10 million in new sales opportunities | |
| * Implemented support for backing up VMware on AWS workloads, enabling sales to cloud-based customers | |
| * Refactored sections of codebase for faster and more reliable builds | |

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| **Drawbridge** – Software Engineer Intern, *Ads Backend Team* | June 2018 – August 2018 |
| * Re-architected real-time HTTP cookie processing server in Golang   + - Reduced server operational footprint by 80% and lowered P99 query latency by 60% | |
| * Added filtering support to Drawbridge RichQuery API to improve end user experience | |

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| **Facebook** – Software Engineer Intern, *Service Discovery Team* | May 2017 – August 2017 |
| * Implemented batching server for internal service discovery infrastructure | |
| * Mitigated service update requests during shard migrations | |

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| **Square Inc** – Software Engineer Intern, *Security Infrastructure Team* | May 2016 – August 2016 |
| * Created Certigo, an open source CLI to dump TLS certificate information – [github.com/square/certigo](http://github.com/square/certigo) | |
| * Created Sharkey, an open source service to automate OpenSSH certificate security – [github.com/square/sharkey](http://github.com/square/sharkey) | |

**PROJECTS**

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| **VisuaLED** – [github.com/christodenny/visualed](http://github.com/christodenny/visualed) | October 2017 |
| * Raspberry Pi powered RGB LED light strip that syncs lights to music | |
| * Utilizes digital signal processing and fast fourier transforms for real time volume and pitch visualization | |

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| **Tinder Plus** – *HackMIT,* [*Top 10 overall*](https://medium.com/hackmit-stories/hackmit-2015-winners-35fff2e4d8c3) | September 2015 |
| * iOS hack that automatically swipes for users on Tinder | |
| * Learns user dating preferences through Clarif.ai image processing and deep learning | |

**SKILLS**

**Languages**

* Java, C, C++, Python, Golang, Scala, SQL, HTML, JavaScript, CSS, PHP

**Frameworks**

* Bazel, Thrift, Docker, OpenSSL, CUDA

**LEADERSHIP AND VOLUNTEERING**

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| * Helped run Community Initiative Program at Rubrik November 2018 – Present   + - Organized 2 off-sites for recent graduates to foster sense of belonging among new hires     - Held monthly community sessions for recent graduates to provide feedback to the company |
| * Served as technical and social mentor for a Rubrik intern who returned for full time position May 2019 – July 2019 |