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Joshua-Wright.github.io

Josh Wright

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San Antonio, TX 78258
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Education:

- **Texas A&M University**, College Station, TX — May 2018
  Computer Engineering, Bachelor of Science; Minor in Math
  Major GPA: 4.0/4.0, Overall: 3.817/4.0
  Tuition: 20% scholarships, 42% work

Technical Skills:

- Programming: C++, Java, Python, MATLAB, LaTeX, Git, JavaScript, HTML/CSS
- Linux, Windows
- Computer hardware servicing

Work Experience:

- **MathWorks** | Natick, MA — May 2017 - Present
  Software Engineering Intern
  Projects to reduce technical debt in existing codebases
- **Cisco Systems** | Richardson, TX — May - August 2016
  Software Engineering Intern
  Worked on back-end systems in Java
  Implemented new functionality and extending existing codebases
- **Texas A&M Help Desk Central** | College Station, TX — 2015 - Present
  Student Worker - Technical Lead
  Leadership role in personal computer repair and support
  Customer service with computer and A&M system related issues
- **Computer Nerdz of San Antonio, L.P.** | San Antonio, TX — 2014 - 2015
  Field Technician
  House calls regarding computer-related issues such as malware removal or software setup
- **Resonant Technology Partners** | San Antonio, TX — 2013 - 2014
  IT Support Intern
  Developed utilities to remotely update software on managed computers

Projects:

- Proof of concept demonstrating an algorithm to discretely encode data in the least significant color bits of a PNG image. `github.com/Joshua-Wright/image_steganography`
- Tic-tac-toe ideal move map
  Minimax algorithm to generate a map of ideal moves in response to every possible opponent move, and render them as a map for intuitive traversal
- CSCE 121: (Team of 4) — Fall 2015
  Designed and programmed a clone of Minesweeper in C++ using the FLTK graphics library.
  Included custom level size and mine concentration, and robust debugging (cheating) options
- ENGR 112: (Team of 16) — Spring 2015
  Built a machine to read an input barcode and dispense the correct pellets autonomously
- ENGR 111: (Team of 4) — Fall 2014
  Built an autonomous robot to navigate a field with obstacles and perform tasks

Scholarships, Honors, and Awards:

- TAMU Computer Science and Engineering Honors — 2015 - Present
- Tau Beta Pi Engineering Honors Society — 2017
- National Society of Collegiate Scholars — 2015 - Present
- Elkin Scholarship in Computer Science and Engineering — 2015 - Present
- Dwight Look College of Engineering Student Scholarship — 2015 - Present
- Boy Scouts of America Eagle Scout Award — 2012

Organizations:

- Aggie Coding Club
- MSC Aggie Cinema