Jordan Bartos

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EDUCATION

- **Oregon State University**   Corvallis, OR
  B.S. in Computer Science; GPA: 4.00   *January 2018 – Present*
- **Texas A&M University**   College Station, TX
  B.S. in Biology   *August 2004 – May 2009*

COURSEWORK

- **Completed Coursework**: Intro to CS I & II, Discrete Structures in CS, Data Structures, Analysis of Algorithms, Web Development, Computer Architecture & Assembly Language, Software Engineering I, Introduction to Usability Engineering
- **In Progress**: Operating Systems, Introduction to Databases

EXPERIENCE

- **Oregon State University**   Corvallis, OR
  Teaching Assistant - Intro to Computer Science   *January 2019 - Present*
  - **Instructor**: Assist beginning students learning the fundamentals of C++ and Python programming
  - **Grader**: Read and evaluate students' programs to provide meaningful and helpful feedback
  - **Course Review**: Assisted in proofing course materials while transitioning the course curriculum from C++-based to Python-based
- **OSU Hackathon Club**   Corvallis, OR
  Director of Marketing   *September 2019 - Present*
  - **Event Organization**: Collaborate with a team of Hackathon Club officers to organize weekly Hacker Nights and quarterly Hackathon events
  - **Promotion**: Make and distribute promotional communiques for club events

PROGRAMMING SKILLS

- **Proficient languages**: C++, C, Python
- **Prior Experience With**: JavaScript, Node.js, Express.js, SQL, Django, HTML, CSS, Bootstrap, MASM
- **Version Control**: Git and GitHub
- **Linux**: Bash scrpting

Skills, Achievements, and Projects

- **Rewind Revitalize - BeaverHacks Winter 2018**: Overall 1st place winner - a C^{++} console journaling program for mindfulness designed by a team of three intro students at Oregon State University.
- **PokerCalc**: A command line C++ program that determines which payments are Pythonnecessary to settle winnings after a friendly game of poker such that the fewest number of payments necessary are made.
- **Personal Website**: My personal website. HTML, CSS, and bootstrap
- **Arduino Soil Moisture Sensor**: An arduino-based DAS that monitors four capacitive soil moisture sensors, displays readings to an LCD, and records the readings to a micro-SD card
- **Arduino Closet Light Automator**: An arduino-based device that uses an ultrasonic detector to detect a person's presence and automatically turn on the closet light for a pre-determined amount of time.
- **Soldering and Simple Circuit-design and Circuit-building**: Designed, built, and soldered basic circuits and wiring schematics on PCB for arduino projects

Additional and Volunteer Experience

- **McCoy's Corporation**   Bryan, TX
  Class C Truck Driver   *2017 - present*

- **US Army Corps of Engineers**   Duck Field Research Facility, NC
  Volunteer   *2013*
  - **Sample Collection**: Took vibracore core samples of beach sediments for analysis
  - **Analysis**: Analyzed layers of core samples to determine water content and prepare for long-term storage

- **The Nature Conservancy at Nags Head Woods**   Kitty Hawk, NC
  Volunteer   *2013*
  - **Data Collection**: Checked water quality meters at Alligator River National Wildlife Refuge for salinity, redox potential, and pH

- **Geography Department, Texas A&M University**   College Station, TX
  Volunteer   *2012*
  - **Data Collection**: Assisted in data collection using GPS RTK to map sand dune features and blow-outs at Padre Island National Seashore, TX
  - **Equipment Setup**: Assisted setting up imagery equipment for surface layer soil moisture experiments