Jordan Bartos

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EDUCATION

- **Oregon State University** — Corvallis, OR
  Bachelor of Science in Computer Science in progress; GPA: 4.00 — *January 2018 – Present*

- **Texas A&M University** — College Station, TX
  Bachelor of Science in Biology; GPA: 2.76 — *August 2004 – May 2009*

RELEVANT EXPERIENCE

- **Oregon State University** — Corvallis, OR
  Teaching Assistant - Intro to Computer Science — *January 2019 - Present*
  - **Instructor**: Assist beginning students in learning the fundamentals of C++ and Python programming.
  - **Grader**: Read and evaluate students' code to provide meaningful feedback.
  - **Course Review**: Assisted in review of course materials for transitioning the course from a C++ to a Python-based curriculum

ADDITIONAL SKILLS, ACHIEVEMENTS, AND PROJECTS

- **Relevant Coursework**: Computer Architecture and Assembly Language, Usability Engineering, Discrete Math, Data Structures, Analysis of Algorithms, Web Development, Software Engineering I
- **Currently Enrolled**: Operating Systems, Software Engineering II
- **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 necessary to settle winnings after a friendly game of poker such that the fewest number of payments necessary are made.
- **Arduino Soil Moisture Sensor**: An arduino-based soil moisture sensor that monitors four capacitive soil moisture sensors and records the values at pre-set time intervals to a file on 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, build, and soldered basic circuits and wiring schematics on PCB for the soil moisture sensor and closet light projects

PROGRAMMING SKILLS

- **Proficient languages**: C^{++}, C
- **Other languages**: JavaScript, HTML, CSS, Python, MASM
- **Framework familiarities**: node, express, django, bootstrap
- **Git and Github**: basic proficiency in Git and Github
- **Linux**: familiar with linux command line environment
- **Vim**: comfortable coding in Vim/vi

ADDITIONAL EXPERIENCE

- **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 at 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