

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 *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 Pythonecessary 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, built, and soldered basic circuits and wiring schematics on PCB for my soil moisture sensor and closet light projects

PROGRAMMING SKILLS

- **Proficient languages:** C++, C, Python
- **Also familiar with:** JavaScript, Node.js, Express.js, SQL, Django, HTML, CSS, Bootstrap, MASM
- **Version Control:** Git and GitHub
- **Linux:** familiar with linux command line

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, 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