

Ethan Barnes

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EDUCATION

Bachelor of Science in Computer Science

May 2018

New Media Institute Certificate

University of Georgia - Athens, GA

TECHNICAL EXPERIENCE

Platforms/Tools: Windows, MacOS, Linux/Unix, Android, iOS, Xcode, ROS

Programming Languages: C/C++, Java, Python, Swift, HTML, CSS, Javascript, Ruby, SQL

Major Courses: Software Development, Systems Programming, Discrete Mathematics, Data Structures, Theory of Computing, Web Programming, Computer Networks, Probabilistic Robotics

Major Projects: Low Poly Watchface for Pebble Time, Trend Dungeon, Raspberry Pi Homescreen

PROFESSIONAL EXPERIENCE

Electronics Team Lead

February 2017-Present

UGA Small Satellite Research Laboratory

Athens, GA

www.smallsat.uga.edu

- Lead a team of 6 software and electrical engineers to perform research and implementations for review by NASA and the Air Force Research Laboratory
- Program functions and modes for the Spectral Ocean Color (SPOC) satellite mission for NASA's second iteration of the Undergraduate Student Instrument Project (USIP)
- Performed research in compression and encryption methods for the Multi-view Computational Onboard Imager (MOCI) mission for the Air Force Research Laboratory's ninth iteration of the University Nanosatellite Program (UNP)

Technician

June 2016-Present

Total Technology Solutions

Athens, GA

- Contracts IT work to local medical businesses in the Athens location
- Responsible for various networking and computer help - such as troubleshooting and repairing networks, managing servers, and setting up new workstations for doctors

Student Worker

May 2015-Present

State Botanical Garden of Georgia

Athens, GA

- Responsible for setting up computer, audio technology, and seating arrangements before events for client's needs
- Responsible for maintaining buildings on-site and overseeing events in a detail-oriented and fast-paced environment
- Utilize effective communication between clients and caterers

ACTIVITIES

Center for Undergraduate Research Opportunities (CURO) Assistantship Recipient

University of Georgia Chapter of the Association for Computing Machinery (ACM)

-iOS Development Team

-UGA Hackathon

Percussionist in the University of Georgia Symphonic Band

Georgia 4-H Youth Development Club

