TREY (QINGYUN) YANG

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github.com/trey-yang

EDUCATION

Boston University, Boston, MA
  Bachelor of *Astronomy and Physics*   *May 2019*

WORK EXPERIENCE

Boston University Center for Space Physics, Boston, MA   *September 2018 - May 2019*
Undergraduate Research Assistant
· Implement algorithm to ensure data integrity and verify accuracy
· Create programs to automatically digitize data from published Pioneer Venus Orbiter data
· Advised by Professor Paul Withers

Boston University Institute for Astrophysical Research, Boston, MA   *September 2016 - May 2018*
Undergraduate Research Assistant
· Create and improve data analysis and image processing software packages
· Process stellar magnetic field data from custom-built instrument for the GPIPS survey
· Advised by Professor Dan Clemens

Boston University IT Help Center, Boston, MA   *June 2018 - May 2019*
Computer Assistant/Programmer
· Software troubleshooting and repair on Windows and Apple machines
· Provide IT support and consultation to clients in person
· Track and manage client tickets using ServiceNow

LANGUAGES

  Chinese: native speaker
  English: fluent (speaking, reading, writing)
  French: intermediate (reading, writing), basic (speaking)
  Japanese: intermediate (reading, speaking), basic (writing)

TECHNICAL SKILLS

Programming Languages
· Most experienced with **IDL**, **JavaScript**, **Python** and **MATLAB**
· Proficient in **Java**, **Go**, and **Kotlin**
· Dabbled in **C**, **C++**, **PHP** and **Perl**

Operating System	Windows, Linux, MacOS
Software Development	Android Studio, Unity, MEAN Stack, SDLC
Database	SQL (SQLite, MySQL), NoSQL (MangoDB)
Frontend Design	JQuery, EJS, Bootstrap, HTML/CSS
Cloud Computing	Amazon Web Services (AWS), Google Cloud Platform (GCP)
Network Administration	Wireshark, Firewall Configuration (Windows, iptables, UFW), Group Policy
Information Security	Currently pursuing OSCP certificate
Rapid Prototyping	Arduino, Circuit Design, 3D Printing