Ashton Winters

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EDUCATION

Yale University *Aug 2016 – May 2020*
B.S. Computer Science

EXPERIENCE

1st Lt USAF / 17SB *Feb 2021 – Present*
Ft George G. Meade / Keesler AFB
- TS/SCI – CI Polygraph – Security+
- Speech & Language AI Research Engineer – evaluates language model performance
- Undergraduate Cyber Warefare Training (UCWT) – 99% technical assessment average

Curriculum Developer *Aug 2020 – Feb 2021*
Tech Talent South
- Developed lessons and code tutorials for more than 400 bootcamp students
- Built courses for React, Angular, Spring Boot, Python, and Data Science

Full Stack Developer *Mar 2019 – Mar 2020*
Yale University Japanese Department
- Developed online learning tool for Yale Japanese Department using Vue.js, Flask, and SQL
- Built scalable database, modular lesson pages, user data visualization system, secure authorization

AWARDS & ACTIVITIES

7th Intelligence Squadron Officer Council Chair *Current*
- Coordinate with FGOs to organize squadron-wide professional development sessions
- Regularly meet with CC to ensure vision for officer camaraderie is achieved

Yale Light Fellowship Recipient *Summer 2017 / Summer 2019*
- Two-time recipient of fully funded study abroad in Japan
- Student Advisory Committee Officer – aided/organized events for ~100 applicants

GSI/ISA Japanese Summer Empowerment Group Leader *Summer 2018*
- Taught and guided more than 100 Japanese students in English studies and leadership practice
- Overcame language/cultural barriers to work effectively with supervisors, students and host families

PROJECTS

Headless CMS Development | *JavaScript, HTML, CSS* *Current*
- Developed and deployed headless content management system for personal blog
- Built using Next.js and deployed on Netlify

Game Jam Entrant | *GDScript (Pythonic language for Godot Engine)* *Fall 2020 – Current*
- Design and program games for themed competitions
- Create computer player AI, pathfinding algorithms, and game logic

SKILLS

Technical Skills
- Languages: C, C++, Python, JavaScript, JavaScript, HTML/CSS, SQL
- Frameworks: React, Node.js, Vue.js, Flask

Professional Skills
- Japanese: Conversationally fluent / Member of LEAP (Language Enabled Airman Program)
- Leadership, Adaptability, Problem Solving, Creativity, Communication

RELEVANT COURSEWORK

Systems Programming and Computer Organization, Data Structures and Programming Techniques, Algorithms, Mathematical Tools for Computer Science, Cryptography and Cyber Security, Web Development, Data Science, Natural Language Processing, Computational Intelligence for Games, Algorithmic Computer Music, Medical Software Design, The User Interface