Luke Arnold

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EDUCATION

Northwestern University (BS in Computer Science and Theatre) *Class of 2023*
- **GPA: 3.9**
- **Relevant Coursework:** Multivariable Differential and Integral Calculus, Data Structures & Algorithms, AI for Hybrid Participatory Narrative, Human Computer Interaction

Menlo School, Atherton, CA *Class of 2019*
- **GPA: 4.1**
- **Relevant Coursework:** AP Computer Science, AP Calculus BC, Advanced Topics Math, Applied Science Research, Advanced Topics Computer Science

Languages: Python, C/C++, Java

WORK EXPERIENCE

D&D Adventures *Founder* *Summer 2020 - Present*
- Led online Dungeons and Dragons sessions for children and young adults
- Created and refined pricing options and session structure based on client feedback
- Created detailed, customized adventures to provide a unique experience for each client

Camp Galileo *Counselor* *Summer 2019*
- Led groups of twenty 5-year-olds through daily activities
- Worked with kids aged 5-12 to foster an interest in STEM

VillageTech Solutions *Programmer* *Summer 2018*
- Improved text-to-speech functionality for bilingual education web server in php
- Streamlined file management system to remove redundant memory use

TECHNICAL PROJECTS

- Endless arcade-style shoot 'em up game in C++
- Autonomous music-creation tool via Markov Chain analysis of MIDIs in Python
- Interactive visualization map for localized crime reports in Python
- Functional location-independent real-time communication system for measuring atmospheric conditions at altitudes of 100,000ft with Arduino
- Integrated electric guitar amplifier with custom pickups

OTHER EXPERIENCE

Member and Show Producer, Freshman 15 A-Cappella *Fall 2019 - Present*
Vertigo Theatre Board, Co-Technical Director *Summer 2020 - Present*
Vertigo Reading Series, Sound Designer *Winter 2020*
78th Annual Dolphin Show, Co-Technical Director *Spring 2021*

LEADERSHIP

Junior Class President *April 2017 - April 2018*
Menlo School Mock Trial, *Attorney* *September 2017 - May 2019*
- Worked collaboratively to develop, execute, and adapt trial strategy
- Won CRF California State Championship

INTERESTS

Singing, Guitar, Software Programming, Video Essays, Hex, Reading Fantasy Novels