

Henry E Brooks

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Professional Summary

Programming Languages: Python, C++, Haskell

Development Systems: Github, Windows, Linux

Other: U.S. Coast Guard Veteran

Work Experience

SPAWAR, San Diego, CA

June 2017 Present

Software Engineer - Intern

- Utilized wireshark and python to capture and analyze network traffic.
- Used the pandas and sci-kit learn libraries to identify malicious network traffic.
- Wrote python scripts to automate the collection and parsing of json data.
- Utilized the Weka machine learning package to analyze and cluster data collected through side channel analysis.
- Utilized python to analyze data and identify features for machine learning project.

Poway Unified School District, San Diego, CA

August 2016 June 2017

Substitute Math Teacher

Valley Center High School, Valley Center, CA

August 2015 June 2016

High School Math Teacher

- Gave daily presentations of mathematical concepts and methods to diverse student groups.
- Created and graded assessments and lessons covering mathematical topics.

CSU San Marcos, San Marcos, CA

June 2015 July 2015

Math Lecturer for Summer Bridge MAPS program.

- Presented mathematical topics to incoming college freshmen.
- Assess student knowledge and identified mathematical weaknesses.
- Created individualized lessons to address student weaknesses.

US Coast Guard, Mobile, AL

July 2008 Dec 2010

Aviation Electrical Technician

- Completion of 26 week military training school on electronic systems maintenance, repair, and safe work practices for electrical systems.
- Completion of 8 week military training school on electrical component troubleshooting and repair.
- Completion of 8 week military training school on electrical wiring troubleshooting and repair.
- Performed daily maintenance and repair of helicopter electrical systems and components.
- Instructed and trained junior enlisted service members in Helicopter maintenance and flight crew responsibilities for the HH65C.

EDUCATION

California State University San Marcos, San Marcos, CA Masters of Science in Cybersecurity	May 2019
California State University San Marcos, San Marcos, CA Single Subject Credential Program	May 2015
California State University San Marcos, San Marcos, CA Bachelor of Science Mathematics	May 2014

SELECTED ACHIEVEMENTS

- Honorable discharge from the US Coast Guard in February 2011.
- Commendation for unit achievement related to aircraft maintenance during Deepwater Horizon oil spill clean up and monitoring operations.
- Developed and implemented daily lesson plans, administered tests and evaluations, and analyzed student performance in accordance to the Common Core State Standards.

REFERENCES

- Dr. David Barsky
California State University San Marcos
Math Professor
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- Bonnie Mendenhall
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