Thomas Patrick Shields Hegarty

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Experience

MARGINEDGE
Arlington, VA
Senior DevOps Engineer   *February 2023 - Ongoing*
DevOps Engineer   *February 2020 - February 2023*
- Implemented an end-to-end Infrastructure as Code CI/CD process using AWS tools, allowing developers to commit CloudFormation & CDK code that traveled through build processes to automatic deployments across multiple AWS accounts
- Built automatic deployment processes for AWS Lambda tools, enabling developers to test in-development Lambda code in secure, production-like environments
- Used AWS CDK to implement IAC framework, transferring web app deployments from EC2 to ECS and developing Docker images to mimic production environments
- Built Bash & Python scripting to increase visibility of bugs and errors, allowing Technical Support Engineers to more quickly understand and respond to application failures
- Developed IAM permissions patterns to restrict development teams' access to core production features during SOC2 Compliance audit, while allowing them maximum access to necessary AWS components for application development

MOUNTAIN STATE SOFTWARE SOLUTIONS
Charles Town, WV
Junior Software Engineer   *August 2019 - February 2020*
- Constructed databases and system APIs to perform CRUD operations
- Managed deployed apps through Anypoint and APIGEE
- Maintained Jenkins pipelines for deployment to cloud services
- Deployed and debugged apps on Kubernetes clusters

UMD SCHOOL OF COMPUTER, MATHEMATICAL AND NATURAL SCIENCES
College Park, MD
Undergraduate TA, CMSC414   *August 2017 - May 2019*
- Answered student questions pertaining to security projects
- Constructed and graded student projects
- Wrote scripts for automatic evaluation of student code

UMD OFFICE OF INTERNATIONAL AND EXECUTIVE PROGRAMS
College Park, MD
English Instructor   *August 2018 - May 2019*
- Conducted online English education for graduate students at Nanjing Normal University
- Built individualized syllabi and graded learning exercises

Education

GEORGIA INSTITUTE OF TECHNOLOGY
Online   *January 2025 - Ongoing*
Master of Computer Science   *Concentration: Human-Computer Interaction*
Relevant Coursework
PUBP-8823   *Special Topics: Geopolitics of Cybersecurity*
CSE-6242   *Data and Visual Analytics*

MARY BALDWIN UNIVERSITY
Non-Degree Graduate   *January 2025 - Ongoing*
Relevant Coursework
REN-520   *Tudor-Stuart History*
REN-550   *Social History of Early Modern England*

UNIVERSITY OF MARYLAND, COLLEGE PARK
College Park, MD   *August 2015 - May 2019*
Bachelor of Arts, Government and Politics.   *Concentration: International Relations*
Bachelor of Sciences, Computer Science.   *Concentration: Cybersecurity*
Minor, Chinese Language
Awards & Scholarships
Taiwan-USA Scholarship Alliance   *June 2016 - August 2016*
College Park Scholars   *Science, Technology & Society*
Relevant Coursework
GVPT-445H   *Honors Seminar: Marxism and Post-Marxism*
GVPT-487   *Chinese Domestic Politics*
GVPT-454   *Chinese Foreign Relations*
CHIN-40X   *Readings in Modern China, I-II*

Research & Conferences
Attendee, AWS Re:Invent   *November 2023*
Research Assistant, Dr. Margaret Pearson   *July 2018 - May 2019*

Additional Skills
Technical: Python, Bash, JS, AWS Services (ECS, EC2, RDS, S3, DDB), SQL
Language: Chinese (Mandarin, Intermediate)

Additional Experience
THEATRE

Much Ado About Nothing	*Claudio*	Maryland Shakespeare Players
Romeo and Juliet	*Romeo*	Maryland Shakespeare Players
As You Like It	*Touchstone*	Maryland Shakespeare Players
Henry V	*Chorus*	Maryland Shakespeare Players
Twelfth Night	Director	Maryland Shakespeare Players
Macbeth	*Macbeth*	Maryland Shakespeare Players
Troilus and Cressida	*Pandarus*	Maryland Shakespeare Players
A Perfect Arrangement	*Jim Baxter*	The Old Opera House
The Beaux Stratagem	*Aimwell*	The Rude Mechanicals
S&P Directing Showcase	Various	Mary Baldwin S&P
As You Like It	Dramaturg	Mary Baldwin S&P
Very Small Trouble	*Edmond White*	Constellation Shakespeare Collective
Emperor of the Moon	*Charmante*	Constellation Shakespeare Collective
Timon of Athens	Dramaturg/Critic	Jake Raiter
I Like This Place	Playwright	Constellation Shakespeare Collective