

Timothy J. Portnoff

COMPUTER SCIENCE · INFORMATION TECHNOLOGY · ARTIFICIAL INTELLIGENCE · GRAPHICS

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"Just a software developer taking it one byte at a time."

Education

Clovis Community College

Clovis, California

A.S. IN INFORMATION TECHNOLOGY

Aug. 2017 - Dec. 2023

- Programming Concepts and Methodology I & II, Computer Organization, & Discrete Mathematics for Computer Science

Liberty High School

Madera, California

HIGH SCHOOL DIPLOMA

Aug. 2017 - Mar. 2017

- Architecture, Construction, & Engineering (ACE), Regional Occupational Programs (ROP) such as ROP Robotics & ROP Digital Media

Skills

Programming

GitHub, C++, C, Python, Java, LaTeX, Markdown, Bash, Windows, Linux, Android, iOS

Graphic Design

Photoshop, Illustrator, Stable Diffusion, Blender, Google SketchUp, Unreal Engine 5

Artificial Intelligence

ChatGPT4 & OpenAI API scripting, Speech Synthesis, Image-to-Image Processing

Work Experience

RemoTasks

Remote

TASKER

Oct. 2023 - Present

- Bulba Extensions - Compared the code output and execution steps between varying AI model responses for safety, accuracy, and fulfillment. Lots of Googling to ensure the responses were accurate and not hallucinations. Wrote summaries for each explaining any differentiating factors or key details about accuracy, fulfillment, and/or verbosity.
- LiDAR - Analyzed data collected from autonomous vehicle systems to identify their surroundings in image format and in Lidar-mapped nodes. Workflow consisted of detecting pedestrian/automotive territory, hazards, and authorities.
- Intravascular ultrasound Annotation - Reviewed video data from a catheter to train an AI to detect and distinguish veins, arteries, stents, and blood clots in the human body. Workflow was mostly frame-by-frame outlining.

Costco Wholesale

Fresno, California

WAREHOUSE ASSOCIATE

Nov. 2017 - Mar. 2023

- Utilized in many departments (10+) for great member service and positive attitude. Always on the leaderboard in cashiering, and constantly performing supervisor tasks for other cashiers. I was often asked to use the inventory terminal to look up members and items because of my fast typing speed. A part of using the terminal was inventory tracking between locations and making product signs.
- In Sales I managed phone calls in the office and on the floor, offering product information about cellphones, televisions, speakers, and more. Being on the floor, I was the first person to call whenever someone needed assistance with a bulky load. I was also effective at stocking inventory and maintaining pallets in my aisles.
- Operated and managed the equipment and inventory of the photo lab. Assisted members with photo orders and device difficulties.

Extracurricular Activity

B10S (B1t On the Security, Underground hacker team)

S.Korea

CORE MEMBER

Nov. 2011 - PRESENT

- Gained expertise in penetration testing areas, especially targeted on web application and software.
- Participated on a lot of hacking competition and won a good award.
- Held several hacking competitions non-profit, just for fun.

WiseGuys (Hacking & Security research group)

S.Korea

MEMBER

Jun. 2012 - PRESENT

- Gained expertise in hardware hacking areas from penetration testing on several devices including wireless router, smartphone, CCTV and set-top box.
- Trained wannabe hacker about hacking technique from basic to advanced and ethics for white hackers by hosting annual Hacking Camp.

PoApper (Developers' Network of POSTECH)

Pohang, S.Korea

CORE MEMBER & PRESIDENT AT 2013

Jun. 2010 - Jun. 2017

- Reformed the society focusing on software engineering and building network on and off campus.
- Proposed various marketing and network activities to raise awareness.

PLUS (Laboratory for UNIX Security in POSTECH)

Pohang, S.Korea

MEMBER

Sep. 2010 - Oct. 2011

- Gained expertise in hacking & security areas, especially about internal of operating system based on UNIX and several exploit techniques.
- Participated on several hacking competition and won a good award.
- Conducted periodic security checks on overall IT system as a member of POSTECH CERT.
- Conducted penetration testing commissioned by national agency and corporation.

MSSA (Management Strategy Club of POSTECH)

Pohang, S.Korea

MEMBER

Sep. 2013 - Jun. 2017

- Gained knowledge about several business field like Management, Strategy, Financial and marketing from group study.
- Gained expertise in business strategy areas and insight for various industry from weekly industry analysis session.

Honors & Awards

INTERNATIONAL AWARDS

2021	2nd Place , AWS ASEAN AI/ML GameDay	Online
2020	Finalist , DEFCON 28th CTF Hacking Competition World Final	Las Vegas, U.S.A
2018	Finalist , DEFCON 26th CTF Hacking Competition World Final	Las Vegas, U.S.A
2017	Finalist , DEFCON 25th CTF Hacking Competition World Final	Las Vegas, U.S.A
2014	Finalist , DEFCON 22nd CTF Hacking Competition World Final	Las Vegas, U.S.A
2013	Finalist , DEFCON 21st CTF Hacking Competition World Final	Las Vegas, U.S.A
2011	Finalist , DEFCON 19th CTF Hacking Competition World Final	Las Vegas, U.S.A
2012	6th Place , SECUINSIDE Hacking Competition World Final	Seoul, S.Korea

DOMESTIC AWARDS

2021	2nd Place , AWS Korea GameDay	Seoul, S.Korea
2015	3rd Place , WITHCON Hacking Competition Final	Seoul, S.Korea
2017	Silver Prize , KISA HDCON Hacking Competition Final	Seoul, S.Korea
2013	Silver Prize , KISA HDCON Hacking Competition Final	Seoul, S.Korea
2013	2nd Award , HUST Hacking Festival	S.Korea
2010	3rd Award , HUST Hacking Festival	S.Korea
2012	3rd Award , Holyshield 3rd Hacking Festival	S.Korea
2011	2nd Award , Holyshield 3rd Hacking Festival	S.Korea
2011	5th Place , PADOCON Hacking Competition Final	Seoul, S.Korea

COMMUNITY

2022	AWS Community Builder (Container) , Amazon Web Services (AWS)
2022	HashiCorp Ambassador , HashiCorp

Certificates

2023	The Bits and Bytes of Computer Networking , Google	GJA47VK8UAZQ
2023	Technical Support Fundamentals , Google	BF8AMRSPJC83
2024	Operating Systems and You: Becoming a Power User , Google	99CKW2BXS2QR
2024	5 Minute Typing Test - 53 WPM , Typing.com	278440576- 153942315

Presentation

DevFest Seoul by Google Developer Group Korea

[Seoul, S.Korea](#)

PRESENTER FOR <HOSTING WEB APPLICATION FOR FREE UTILIZING GITHUB, NETLIFY AND CLOUDFLARE>

Nov. 2017

- Introduced the history of web technology and the JAM stack which is for the modern web application development.
- Introduced how to freely host the web application with high performance utilizing global CDN services.

6th CodeEngn (Reverse Engineering Conference)

[Seoul, S.Korea](#)

PRESENTER FOR <DEFCON 20TH : THE WAY TO GO TO LAS VEGAS>

Jul. 2012

- Introduced CTF(Capture the Flag) hacking competition and advanced techniques and strategy for CTF

6th Hacking Camp - S.Korea

[S.Korea](#)

PRESENTER FOR <METASPLOIT 101>

Sep. 2012

- Introduced basic procedure for penetration testing and how to use Metasploit

Writing

A Guide for Developers in Start-up

[Facebook Page](#)

FOUNDER & WRITER

Jan. 2015 - PRESENT

- Drafted daily news for developers in Korea about IT technologies, issues about start-up.

AhnLab

[S.Korea](#)

UNDERGRADUATE STUDENT REPORTER

Oct. 2012 - Jul. 2013

- Drafted reports about IT trends and Security issues on AhnLab Company magazine.

Program Committees

2016 **Problem Writer**, 2016 CODEGATE Hacking Competition World Final

[S.Korea](#)

2013 **Organizer & Co-director**, 1st POSTECH Hackathon

[S.Korea](#)

2012 **Staff**, 7th Hacking Camp

[S.Korea](#)

2012 **Problem Writer**, 1st Hoseo University Teenager Hacking Competition

[S.Korea](#)

2012 **Staff & Problem Writer**, JFF(Just for Fun) Hacking Competition

[S.Korea](#)