

# SKYLER A.M. CRANK

Hockey Operations - Data Engineer

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## To The Nashville Predators

Bridgestone Arena 501 Broadway

Nashville, TN 37203 USA

18 May, 2024

**DEAR MARGIE HORWITZ,**

With 14 years of experience in software innovation, and a background as a successful entrepreneur, I can offer a blend of competitiveness and resilience to your team. My passion for statistical tracing, advanced analytics, and data simulation aligns seamlessly with your organization's objectives for success. If given the opportunity, I commit to:

**Quickly adapt** by mastering tools and processes swiftly. I aim to prepare for upcoming events, such as the 2024 draft, and provide invaluable insights for the 2024 Stanley Cup playoff run.

**Exceed expectations** by consolidating data lakes into easily digestible metrics. I plan to exceed expectations overall and provide actionable insights to the management team.

**Innovate** by leveraging data analytics, web scraping, and machine learning. I intend to innovate the role by developing advanced in-house metrics that drive performance improvement.

Lastly, the job posting said,

*"The ideal candidate will have a robust programming background with a strong passion for working with a tight-knit group towards a common goal."*

In that case, it seems the objective is clear; to lift the Stanley Cup. I am fully committed to that goal. Thank you for considering my application. I look forward to the opportunity to discuss how my skills and experiences would further your team's vision.

Sincerely, Skyler Crank

*Skyler Crank*

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## OVERVIEW

Experienced professional with a proven track record of efficiently learning new skills and adapting to diverse roles. Known for thriving in fast-paced environments through continuous learning and goal-oriented approaches.

I am dedication to delivering precise and efficient results, more about my decade of experience on page 3.

## EDUCATION



University of St. Francis - B.A. - Digital Audio Recording - Joliet, IL - 2016



Parkland College - A.A. - Music - Champaign, IL - 2013

## LANGUAGES | *years*

C++	8	Html	12	Css	12	JS	12
OpenGL	5	REST	4	Python	4	PHP	4
Rust	1	AWS	8	Unreal	2	SQL	3
Git	6	Azure	2	Max	1	XML	8
Mac	14	Win	8	Linux	1	Ubuntu	6

## SKILLS

Adaptability	Documentation	Network Admin	Technical Support
Analytical	Ethical Leadership	Organization	Tenacity
Attention to Detail	IT Security	Problem Solving	Troubleshooting
Coordination	Legal Compliance	Quality Control	UX Design
Customer Service	Media Integration	Resource Mgmt	Vendor Mgmt

## ACHIEVEMENTS

Throughout my professional journey, I have earned honors at university, secured an undergraduate research grant in spatial sound, and contributed to the development of the universities sports app tracking statistics. While trailblazer the audio programming major, I was offered a professor position and have been invited back to speak since. On a personal level, I have achieved milestones such as completing academic textbooks during my free time, obtaining certifications in Scrum and Wwise, becoming engaged, moving to Nashville and successfully potty training my puppy.

# EXPERIENCE



## Software Developer - Type Writer Audio - TN - 2016 - 2024

Led team formation and spearheaded a multi-million dollar project, managing the entire product lifecycle from concept to deployment. Successfully developed and integrated encryption with CDN and Stripe Rest API, serving 300,000 users from a solo developed application project.



## Software Developer - The Audio Programmer - Remote 2023 - 2024

Collaborated with designers to replicate Figma designs using C++ drawing techniques, ensuring visual fidelity. Enhanced SQL database performance and resolved communication issues with hardware keyboards via Midi. Transitioned UI to OpenGL for improved performance.



## Software Developer - Motion View - TN - 2024

VTK optimization for point cloud segmentation machine learning render. Streamlined ADA-compliant insurance forms from SQL databases. Implemented UX optimizations for enhanced user experience of medical software.



## Inventory Auditor - Quik Count - IL - 2018 - 2020

Successfully integrated Microsoft Excel with scanning hardware to manage inventory across 24 Mach 1 gas stations in Central Illinois, achieving an impressive 5% loss margin. Outperforming our closest competitor by 2% and surpassing other competitors by over 10% inventory loss.



## Production Manager - Canopy Club - IL - 2016 - 2017

Managed total show coordination for renowned artists including Lupe Fiasco, Hopsin, Zedd's Dead, Skrillex, Ben Folds, and Portugal the Man. Oversaw stage management and vendor coordination, ensuring seamless execution of events.



## Web Developer - University of St. Francis - IL - 2015 - 2016

Managed marketing campaigns for university DARA program and maintained website using Wordpress. Transitioned to unofficial member of CS Club, utilizing AWS and SQL to enhance university's men and women's sport stat tracking application.



## IT Technician - University of St. Francis- IL - 2014 - 2016

Proficiently troubleshooted Oracle, installed access points, upgraded campus to 1 gigabit. Conducted repairs on campus computers and upheld local network security with administrator.