

Kelsey Kern

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EXPERIENCE

Software Engineer – Vecima Networks, Remote, US Aug 2024 – Present

Design and implement new features for our virtual CMTS software. Lead team to add support for Docsis Mac profile management. (C, C++, Python, Java, Linux, Yang)

Software Engineer (Contract) - Meta, Remote, US July 2022 – July 2023

Lead projects for Ads Creatives client side preview. Design telemetry system and implement facets for Avatars SDK. (React, Hack, SQL, C++, Internal tools)

Embedded Software Engineer I & II - Motorola Solutions, Schaumburg, IL Jan 2018 – July 2022.

Designed and implemented new features for encryption products using C. Lead team creating new library to support our new Hardware solutions. Setup automated testing for entire department. Worked with teams comprised of members from around the world. (C, C++, Python, Java, and Perl, Linux, Visual Studio, Jenkins)

Full Stack Software Developer (Intern I & II) - ALDI Inc. Corporate, IL May - Nov 2017

Designed and created an application to automate and support the team's processes. Designed and created MVC application to track company assets. Collaborated with other teams to collect and organize asset information. (C#, XAML, WPF, Visual Studio, MVC, .NET)

EDUCATION

B.S. Computer Science • Northern Illinois University • GPA 4.0 • November 2017

PERSONAL PROJECTS

The Computer Dolphin's Dream • Desktop game with a swimming dolphin (WPF, C#, .NET)

Dorsal Fin AI • AI model that predicts dorsal fins for sharks and dolphins (Python, Keras)

FrozenPizzaRatings.com • Community rating website for pizza (PHP, MySQL, JavaScript)

dotComCookies.com • Create your own cookie website (React, Node.js, MongoDB)

KipYips.com • Social media website (PHP, MySQL, JavaScript)

KelseyKern.com for more projects and demos.

ADDITIONAL SKILLS AND TRAINING

Unreal Engine | Adobe Premier | Ableton Live | Davinci Resolve | Arduino | Raspberry Pi

Machine Learning Program • 3 Course Stanford Coursera

Second City Improv Program • Chicago, IL Improvisation and Acting

Deans List • NIU

Mentor • Engineering mentor and leader for projects

Hackathon • 2nd Place Motorola Solutions 2019