Mark Auger

Computer Software
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Job Experience

Trading Technologies International, Inc.
Software Engineer Intern 06/20 - Present

- JavaScript, Backbone.js, Python, ChartIQ, JIRA, Agile and Git.
- Worked on both Analytics and Web team.
- Setup localization for the Chart widget.
- Kept the localization branch up to date by merging with new releases.
- Developed a VS Code extension to help speed up localization development.

Trading Technologies International, Inc.
Software Engineer Intern 06/19 - 08/19

- JavaScript, Backbone.js, Python, JIRA, Agile and Git.
- Worked on fixing bugs and developing features on the web application.
- Developed a Debugger widget for inspecting data of other widgets in the web application. The widget is used by clients and developers to help debug production and development issues.
- Developed an Example widget for developers to use as a guide for developing new widgets.

Hobbies

- Qualified for the Canada Olympic Trials in Swimming
- #1 200 Butterfly time in the state of Illinois for 18 and under 2017-2018
- Division 1 Swimmer
- Own 8 of the fastest times in 200 Butterfly history at IUPUI
- Scholastic All American
- Programming NodeJS Libraries and Startups

Skills

JavaScript, TypeScript, Java, Python, HTML5, Git, Agile, Electron, Backbone, ChartIQ, AngularJS, React Native, Kotlin, PHP, Firebase, C++, C#, and C

References

Michael Auger, Brother, *Google*
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Education

Purdue School of Science, IUPUI
Bachelor of Arts in Applied Computer Science
Graduating May 2021

Studying Computer Science at
Indiana University-Purdue University at Indianapolis
for a Purdue degree as a Senior

Course Work

- CSCI 487 – Artificial Intelligence
- CSCI 450 – Software Engineering
- CSCI 448 – Biometric Computing
- CSCI 362 – Data Structures
- CSCI 363 – Principals of Software Design
- CSCI 340 – Discrete Computational Structures
- CSCI N361 – Software Project Management
- CSCI N342 – Server-Side Web Programming
- CSCI N341 – Client-Side Web Programming
- CSCI N317 – Computation for Scientific App

Accredited Work

- Cited in NodeJS library electron-aspect-ratio-browser-window for suggested design.
- Received GitHub stars for Image Classifier and UPnP libraries.

Projects

- **UniteScript** *(in progress)* – Esoteric Programming Language challenging programmers to make clever designs using only addition, concatenation, looping, and is equal condition.
- **Image-Classifier** – NodeJS library for image classification using Googles KNN-Classifier.
- **Object-Detector** *(in progress)* – NodeJS library using Image-Classifier and SVM to detect and train a YoloV3 model for quicker object detection.
- **UPnPjs** – NodeJS library for manipulating port maps on the router over UPnP.
- **Puppetree** – Wrapper around puppeteer with added DOM element architecture.
- **NetherChat** – Minecraft Java Edition Mod for chatting on multiplayer servers.
- **Image Miner** – Image EXIF data extracting electron application.