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MICHAEL ONJACK

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EMPLOYMENT

Software Engineer   **Tyler Technologies**   **August 2016 - Present**

- Helped build configurable Workflow Tracking and BPM software systems using the company's entellitrak platform. **Java, Javascript, MSSQL**
- Lead development on a baseline Background Investigations system equipped with common BI application functionality which has been used to help reduce the time needed to produce a client-ready application. **Java, Javascript, MSSQL**
- Developed a reusable timekeeping module used by multiple systems to track their investigators' working hours. The module works in compliance with Law Enforcement Availability Pay (LEAP) federal regulations. **Java, Javascript, MSSQL**

PROJECTS

- **Imprint** (2020). Augmented reality-based media-sharing application for iOS. Allows users to capture pictures and videos and revisit them at the location they were taken by viewing them in an AR scene using ARKit and CoreLocation. The app features a real-time chat component that users can use for private messaging. (App Store) **Swift, ARKit, Firebase**

- **Thread** (2019). iOS application that allows users to take and save pictures of their outfit, search for clothing items made by popular brands, and follow other users. The app interacts with the ShopStyle API in order to allow users to search through a vast amount of clothing data to help find their exact outfit. (App Store) **Swift, JSON, Firebase**

- **Tailgator** (2018). iOS application to share your college football game day. Create a tailgate with invites and supplies, view the current week's game schedule, and engage with other users in game day message threads. The app features real-time score updates for games by interacting with a self-hosted endpoint that runs a python script to parse the score data from an HTML page. (App Store) **Swift, Python, JSON, Firebase**

- **Kodala** (2017). Online marketplace where users can sell and purchase digital movie codes. The site features automatic email delivery and a rating system in which users can grade their transactions. (Website) **HTML/CSS, Bootstrap, Jinja2, Python**

EDUCATION

University Park, PA   **The Pennsylvania State University**   **Aug. 2012 – June 2016**

- Bachelor of Science in Computer Science with Minor in Mathematics, June 2016
- Grade-Point Average: 3.71 (on a scale of 4.0)

Languages and Technologies

- C; C++; HTML/CSS; Java; Javascript; Jinja2; JSON; Python; Swift
- Eclipse; Firebase; Git; Google App Engine; Linux; MySQL, REST APIs; Visual Studio; XCode