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| --- | --- | --- | --- |
| TECH HTML5, CSS3, JavaScript  jQuery, ES6+  Node.js, Express.js, EJS  ASP.NET, VB.NET  MongoDB  NoSQL, SQL  Selenium, Backstop.js, nUnit  C#, VB, Python, C/C++, Java  Adobe XD/Creative Cloud  Unity SDK  **Actively pursuing:**  React, Redux, and JavaScript based stacks Skills RESTful routing, Promises, APIs, schema and object model architecture, leading design/UX process maturity, agile project management, teaching/mentorship Education UXQB Certified Professional for Usability and UX (CPUX-F)  International Quality Institute  M.S. Computer Science  University of New Haven | |  |  | | --- | --- | | WEB SPECIFIC EXPERIENCEFull STack Software Engineer • athletereg • 06.18 – 03.20  * Designed, prototyped, implemented, and tested dozens of director and participant features for duration of two-year, mobile first, redesign initiative for athletereg.com and its portals e.g. [*BikeReg*](http://www.bikereg.com/) * Created a style guide, style sheet, snippets, feature designs, and interactive prototypes, used by all 5 developers and 2 designers [*Portfolio*](https://drive.google.com/open?id=1cKXeuZa5mcEFcyJbWDWQKZBNe9SllwQy) * Led design and UX maturity for company; created new policies and procedures based on best practices to achieve iterative, human-centered design * Collected prototype feedback from 12 stakeholders using surveying and master-apprentice style test instruments * Wrote over 70 self-automated feature tests for style regressions and web driver tests  BACK END Software Engineer INTERN • Acuity • 10.17 – 01.18  * Sustained portal for commercial smart lighting control: Acuity’s ASP.NET SensorView web app [*Demo*](https://nlight.sensorswitch.com/SensorView/Login.aspx?ReturnUrl=%2fSensorView%2f) * Developed new Virtual WallPod WiX Toolset installer and integrated into SensorView package process using MSBuild [*Video Portfolio*](https://www.youtube.com/watch?v=eOwZyECbMSo)   ***Note:*** *These are my most web relevant experiences. Please see my LinkedIn for additional professional experience and leadership.* Extracurricular Projects  * Backlogged: A live full stack Node.js app. [*Repository*](https://www.github.com/bknie1/gamezy) * [*(2018) An Overview of the Usage of Default Passwords*](https://link.springer.com/chapter/10.1007/978-3-319-73697-6_15) |  | |