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| TECH HTML5, CSS3, JavaScript  jQuery, Angular, React  MEAN, MERN, ASP.NET  Node.js, Express.js, MongoDB  NoSQL, SQL  Selenium, Backstop.js, nUnit  C#, VB, Python, C/C++, Java  Adobe XD/Creative Cloud  Unity SDK Skills Web Development: MVC, RESTful routing, the Promise lifecycle, API interaction, schema and object model architecture  Virtual Reality: Manager design pattern, professional training  Soft Skills: Leading design/UX process maturity, agile project management, junior mentorship Education UXQB Certified Professional for Usability and UX (CPUX-F)  International Quality Institute  M.S. Computer Science  University of New Haven | |  |  | | --- | --- | | ExperienceFull STack Software Engineer • athletereg • 06.18 – 03.20  * Designed, prototyped, implemented, and tested dozens of features in legacy VB ASP.NET stack for duration of two-year, mobile first, redesign initiative for athletereg.com and its portals e.g. [*BikeReg*](http://www.bikereg.com/) * Led design and UX maturity for company; created new policies and procedures based on best practices to achieve iterative, human-centered design * 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) * 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 user interaction simulations  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)  Extracurricular Projects  * Gamezy: A game catalog and commenting site. [*Repository*](https://www.github.com/bknie1/gamezy) * Virtual reality game development [*VR Video Portfolio*](https://www.youtube.com/watch?v=vEUhsNKF7iI&list=PL7C04B2lmd7C4Qgeqhhr-rVo6czvA_-_-) * Symmetrics: An educational security game [*Video Portfolio*](https://www.youtube.com/watch?v=faPyWgFFk00) * [*(2018) An Overview of the Usage of Default Passwords*](https://link.springer.com/chapter/10.1007/978-3-319-73697-6_15) |  | |