Sean Pesce

Westhampton, NY | pesce.sean@gmail.com | *Public copy; phone number redacted* | GitHub | Portfolio website

---

SKILLS

Languages (Proficient): C++, Java, MySQL
Languages (Familiar): C, Python, x86 assembly, HTML, CSS, JavaScript, TypeScript, XML

EDUCATION

Sept 2013 - Jan 2018	**Stony Brook University** B.S. in Computer Science

RECENT PROJECTS

2018 - Present	Lead developer on an (in-progress) Android app for archaeological research purposes. Worked closely with a PhD student and research assistant to determine GUI layout and data requirements for recording/analysing molar wear on deceased individuals. Awarded "Best Poster" at the 2018 AAPA national conference. Languages: **Java, XML** Other tools: **Android SDK**
2017 - Present	Co-lead developer on an unofficial game patch for *Dark Souls™*: *Prepare to Die Edition*. Tasks include reverse-engineering of undocumented file types, data structures, and engine bytecode to develop bug-fixes and enhancements. Languages: **C++, x86 assembly** Other tools: **Windows API, STL, IDA, various binary analysis utilities**
2017	(Undergraduate senior project) Worked in a team to develop a music streaming service, similar to Spotify. Personal responsibilities included database design, optimization, and population, as well as assisting in front-end and back-end development. Languages: **Java, MySQL, JavaScript, TypeScript, HTML, CSS** Other tools: **Angular, Spring Framework, AWS**
2017	Developed a generic DirectX 9 overlay framework to ease creation of third-party extensions and enhancements for DirectX 9 applications. Features an in-game CLI and plugin support. Languages: **C++** Other tools: **DirectX SDK, Windows API, STL, MS Detours, SeqAn**
2014 - 2017	Created and maintained an AiO settings utility for consolidating the installation and configuration of various community mods/fixes for *Dark Souls™*: *Prepare to Die Edition*. Languages: **Java** Other tools: **JavaFX, Inno Setup**

WORK

2012 - Present	**Digital Services Clerk**, Westhampton Free Library ● In-house software assistance & computer maintenance ● Customer service & instruction at a public helpdesk
2011 - Present	**Technical Services Clerk**, Westhampton Free Library ● Data entry ● Database upkeep and maintenance