

# Branden Bean Drake

[github.com/beandrake](https://github.com/beandrake) · [linkedin.com/in/beandrake](https://linkedin.com/in/beandrake) · [beandrake.com](https://beandrake.com)

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## SOFTWARE SKILLS

**Languages:** C++, Java, Lua, HTML, CSS, jQuery, SQL, C# (ASP.NET Core MVC), Japanese (limited working proficiency)

**Tools:** Visual Studio, Eclipse, Jira, FogBugz, Perforce, Git, Bitbucket, SourceTree, Excel, Trello, Slack, Brackets

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## EDUCATION

**BS (Bachelor of Science) in Computer Science & Software Engineering - 3.88 GPA**

Magna Cum Laude from University of Washington Bothell

June 2016

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## SOFTWARE DEVELOPMENT EXPERIENCE

**Software Developer – Contract**

September 2017 – October 2017

UpTop

**Internal Portal for Fortune 50 Company** (PC, Surface)

- Implemented features and pages for internal web app with HTML, CSS, SQL, and C# (ASP.NET Core MVC)
- Planned and implemented a project-wide taxonomy change to the live production environment

**Lead Programmer & UX Researcher – Internship**

June 2015 – June 2016

Digital Future Lab / University of Washington Bothell

**Hug The Line** (PC, Mac)

- Collaborated with an agile, multidisciplinary 12-person team to design the proof of concept's mechanics
- Pair programmed all game elements in Java on top of a rudimentary game engine using OOP
- Improved game engine by adding a visual layering system, and implemented an API to create similar games
- Designed and ran user tests to validate UI and mobile touch controls for future game development

**Multiplayer Designer – Contract**

June 2012 – September 2012

343 Industries / Microsoft Games

**Halo 4** (Xbox 360)

- Scripted classic multiplayer game modes via proprietary scripting language
- Designed and scripted customization options for multiplayer game modes
- Organized the layout and navigation of multiplayer menu options using a proprietary database tool
- Facilitated regular user tests for multiplayer game modes and parsed feedback

**Technical Designer**

July 2007 – November 2011

Snowblind Studios / Monolith Productions / WB Games

**Guardians of Middle-Earth** (PS3, Xbox 360)

- Designed and ran user tests to validate equipment system
- Redesigned equipment system to solve user difficulties revealed by user testing
- Collaborated with UX and UI designers to architect inventory menu navigation and interface
- Identified the design department's tool needs and designed specifications for solutions

**Lord of the Rings: War in the North** (PS3, Xbox 360, PC)

- Designed enemy gameplay and artificial intelligence, then implemented both using Lua / XML
- Redesigned tech design workflow to use inherited templates, significantly increasing pipeline efficiency
- Created systems allowing level designers to control enemy behavior and audio designers to tune SFX
- Took on project management and animator responsibilities as needed when team was overbooked