



Tom Farro

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tomfarro.com

EDUCATION

WORCESTER POLYTECHNIC INSTITUTE (WPI) | GPA: 3.50 / 4.00

Graduated May 2017 | Worcester, MA

- BS in Robotics Engineering with a Minor in Game Design
- Member of Rho Beta Epsilon (Robotics Honor Society)

PROJECT HIGHLIGHTS

G[AR]DEN | PROGRAMMER

January 2018 - Present

- Developed Augmented Reality gardening and plant-care app for mobile devices.
- Worked with pattern-recognizing Computer Vision algorithms to sprout 3D plants from real-world markers.

HEIST NIGHT | LEAD PROGRAMMER / LEAD DESIGNER

December 2015 - Present

- Built system to allow players to use mobile devices as controllers without needing to install a companion app.
- Developed C# Web Server to serve local players controller interface via browser at runtime.
- Designed a web API that allows the JavaScript controller to network with the C# server via WebSockets.
- Winner of "Best College Alpha" at Mass DiGI and Chosen to Showcase at Boston Festival of Indie Games.

GALDOR: VR FORTUNE TELLER | PROGRAMMER / DESIGNER

October 2016 | Shipped October 2016

- Designed a Virtual Reality experience for the GearVR, tailored for users with no prior VR exposure.
- Developed input system that uses quaternions to parse head nods or head shakes as intuitive input.

SUMMON ME SOMETHING | PROGRAMMER / DESIGNER

January 2016 | Shipped October 2016

- Designed and implemented randomly-generated puzzle system.
- Showcased Game at WPI's 'Touch Tomorrow' program as well as PAX East 2017.
- Shipped product on Halloween of 2016 for commercial release.

WPI MAPPER | DEVELOPER TOOLS PROGRAMMER / PRODUCT OWNER

October 2015

- Developed navigation algorithm to generate routes around campus based on map networks stored remotely on AWS.
- Designed developer tools that allowed multiple people to edit map server data without conflicts.
- Used Agile Scrum development techniques over 7 weeks with a team of 8 other students to achieve a releasable product.

TECHNICAL SKILLS

Languages

C# • Java • C • JavaScript • TypeScript • HTML5 • CSS3 • Python • SQL

Tools and Utilities

Visual Studio • Git • SVN • Eclipse • NodeJS • jQuery • React • Unity3D • Sony VEGAS • Linux • Asana • Jira

RELEVANT WORK EXPERIENCE

LIBERTY MUTUAL | TECHNOLOGY ASSOCIATE

September 2017 – Present | Dover, NH

- Redesigned in-house Information Warehouse Environment to provide a superior User Experience.
- Working to migrate legacy monolith code to portable, cloud-ready microservices.

LEGO | BRICK SPECIALIST

June 2015 – March 2017 | West Nyack, NY

- Delivered exceptional customer service.
- Ran periodic store events to help foster building skills in children.