

EDUCATION

University of Houston
Bachelor of Science in Computer Science, Minor in Mathematics

August 2014 – May 2018

PROJECTS

Portfolio Website

<http://yaroslavberejnoi.com>

- A personal website built from scratch on the Flask micro-framework
- LAMP stack: Linux/Apache/sqlite3/Python
- JQuery and Bootstrap frameworks
- Projects module uses sqlite3 db connections to dynamically display project information
- Google SMTP email server, custom backend form validation

Weather App

[http://yaroslavberejnoi.com/
weather-app](http://yaroslavberejnoi.com/weather-app)

- HTML/CSS/JavaScript/JQuery
- APIs
 - ip-api.com: fetches geo-coordinates based on user's IP-address
 - openweathermap.org: fetches weather information based on user's geo-coordinates
- Animated weather icons and sundial

Random Quote Machine

[http://yaroslavberejnoi.com/
random-quote-machine](http://yaroslavberejnoi.com/random-quote-machine)

- HTML/CSS/JavaScript/JQuery/Bootstrap
- api.forismatic.com quote API
- Quotes are displayed using animated random text scrolling and a color changing background
- Integrated to share on Twitter with the click of a button

Solstice

[https://github.com/YaroBear/
solstice](https://github.com/YaroBear/solstice)

- Python, pygame and numpy libraries
- A game created in under 24 hours for a winter themed competition
- Features custom art, music, and procedural world generation
- Python source and Windows executable available

SKILLS

Programming Languages

- Python, JavaScript, C++
- Web development: HTML/CSS/Bootstrap/Flask/jQuery
- RESTful web services, JSON web APIs

Software

- Platforms: Windows, Linux (Arch, Ubuntu)
- SSH (Putty), FTP (filezilla, winscp)
- Gimp, inkscape, audacity