linkedin.com/in/joshnparker
github.com/joshparkerj

JOSH PARKER

(385) 208-5194
joshparkerjo@gmail.com

EDUCATION

Software Engineering Major	**Utah Valley University**	**Expected Graduation Spring 2020**

GPA 3.57. Selected Coursework:
- Data Structures & Algorithms, Computer Networks, C# Software Development, Database Theory.

Web Development Student	**DevMountain**	**Graduated March 9, 2019**

- Main topics: HTML, CSS, JavaScript, React, Node.js, Express, PostgreSQL, Git, VS Code, immutability, DRY.
- Group Project–Scheduler App/Monday.com Clone.   *monday.joshquizzes.com*
  - **WHAT**: Database and backend for team-based task-scheduler. 12 tables, 79 endpoints, 663 test cases.
  - **HOW**: PostgreSQL, Postman, Node.js, Express, Passport, MassiveJS, Ubuntu, Digital Ocean, Nginx.
  - **IMPACT**: Flexible options for managing team tasks and messaging. All endpoints check user permissions.
- Personal Project–Quiz App.   *quiz.joshquizzes.com*
  - **WHAT**: Flexible quizzes generated from Wikipedia articles with multiplayer support and persistent stats.
  - **HOW**: PostgreSQL, jQuery, Node.js, Express, bcrypt, React, Socket.IO.
  - **IMPACT**: 9002 questions in 80 categories. Running local database on server improved performance.
- Small Project–Calendar.   *calendar.joshquizzes.com*
  - **WHAT**: Calendar with appointments. Created to demonstrate proficiency with CRUD endpoints.
  - **HOW**: Node.js, Express, React, JSON, Promises, File System.
  - **IMPACT**: Persistent, modifiable appointments. Features work as expected. Year, Month, Week, Day views.

Biology Major	**Utah Valley University**	**Spring 2017**

- Dean's List 5 semesters. Received Bachelor's of Science. GRE Verbal: 170. Quantitative: 162 Writing: 5.5

TECHNICAL EXPERIENCE

Projects
- Python Game Tutorial   *si.joshquizzes.com*
  - **WHAT**: Beginner's Python lesson with Space Invaders demonstration and explanation of concepts.
  - **HOW**: Pyglet. Scratch and Python programs compared and contrasted. Assets from OpenGameArt.org.
  - **IMPACT**: Full lesson plan with troubleshooting guide. Batching and some OOP concepts introduced.
- Qt Machine Language Interface   *uvsim.joshquizzes.com*
  - **WHAT**: Group project for UVU Software Engineering course. GUI interpreter for decimal machine code.
  - **HOW**: C++, Qt. Simulated binary ALU handles arithmetic. Qt forms handle input, output, debugging.
  - **IMPACT**: 100-address computer simulated. 16 operations supported. Documentation of planning process.

EMPLOYMENT

Tutor	**A Plus Tutoring**	**Fall 2016 - Present**

- Topics include nursing, pharmacy, organic chemistry, biology, genetics, anatomy, physiology.

Shipper	**Sportsman's Warehouse**	**Spring 2017 - Spring 2018**

- Forklift driver, palette builder, emphasis on guns and ammunition. Three time employee of the month.

Mentor	**UVU Prep**	**Summer 2018**

- Pre-engineering summer camp. Assisted with course work: statistics, technical writing, computer science.

LANGUAGES AND TECHNOLOGIES

- C++, C#.NET, SQL, JavaScript, Python, R, MATLAB, HTML, CSS, Ruby.
- Visual Studio, VS Code, PostgreSQL, Digital Ocean, Heroku, Node.js, React, Ruby on Rails, Windows Forms.