Michael Ward | Software Developer

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Work Experience

Brenkman & Company **Logan, Utah**
Software Developer *Jul. 2017 – present*

- Responsible for hiring freelance software developers and contacting consultants
- Managing software projects with direct supervision from the CEO
- Currently developing image detection and analysis applications with OpenCV in Python
- Currently developing an iOS application to remote control hardware for GoQuietPro
- Developed desktop applications for various uses in Visual Basic and C#

Space Dynamics Laboratory **Logan, Utah**
Student Software Engineer *Nov. 2015 – present*

- Developing a library for easy reading and writing of NITF-style image documents
- Assisted engineers with synthetic-aperture radar projects within the Vantage Software Suite
- Designed and created an application to view and analyze images using C++ with QT

Utah State University **Logan, Utah**
Computer Science Tutor *Aug. 2016 – May 2017*

- Taught topics such as algorithms, data structures, memory allocation, and debugging

Education

Utah State University **Logan, Utah**
Bachelor of Science in Computer Science *Graduation May 2018*
Minors in Mathematics and Business. GPA: 3.8

Academic Research

Pairs Trading for Cryptocurrencies **Professor Andy Brim**
Estimated completion May 2018 *Utah State University*

- Developing algorithms to find cointegration among cryptocurrency pairs
- Capstone project for Departmental Honors

Solving the Two Language Problem for Finance **Dr. Tyler Brough**
Estimated completion May 2018 *Utah State University*

- Testing multiple languages to find the proper balance of developer velocity and execution efficiency

Using GPUs for Image Analysis **Cory Brinck**
Estimated completion March 2018 *Space Dynamics Laboratory*

- Experimenting with running image analysis algorithms using Nvidia's CUDA compiler on Linux

Skills

Python: Intermediate	*Wrote financial modeling scripts and image detection programs with OpenCV and Tkinter*
C++: Intermediate	*Developed GUI programs with QT and image analysis algorithms with Eigen*
Visual Basic/C#: Basic	*Created lightweight desktop applications on Windows*
Web: Basic	*Developed the front-end of websites using ReactJS and Bootstrap*
Mobile: Basic	*Created iOS applications with Swift and cross-platorm apps with React Native*