



# Anthony M. Oliver

*Ann Arbor, MI*

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<http://anthonymoliver.com>

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## SUMMARY

Is the co-founder of a successfully funded venture backed start-up and one of the core developers of the popular computer vision library around which it was founded. Through this experience he has become a published author, patent holder, mentor to international Google Summer of Code students. He is active participant and advocate in the technology community; using his time and talent to help establish a local non-profit and incubate a vibrant and productive hackerspace.

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## EXPERIENCE

### *Co-Founder & Lead Application Engineer, Sight Machine*

Ann Arbor, MI — 2011 - Present

Sight Machine is a startup focus on manufacturing analytics, real time data collection and analysis of various machines and sensors to increase performance, output, and throughput

#### **Accomplishments**

- Helped grow a company of 2 people to over 25 employees
- Wrote Software that runs at Fortune 100 companies 24 hours a day, 7 days a week with 99% uptime for data collection.
- Built appliance that made it easy to install box, configure

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## EDUCATION

*Michigan Technological University*

BA in Software Engineering, 2007

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## SKILLS

Devops, Applications Engineering, Manufacturing Process and Integration 10+ years, Linux 13+ years, Programming Languages (Python, C, C++, Java, Javascript, PHP, etc), Orchestration and Deployment (Docker, Ansible, Chef), Cloud (AWS, Digital Ocean). Cluster Computing, Computer Vision, Machine Learning, Technical Writing and Design Specifications, Open Source Community Manager,



and get data pushing from locations all over the world to secure central location for processing.

- Wrote software that has performed quality measurements over a million vehicles for one of the big 3 auto manufacturers.
- Built an open source community with over 100,000 downloads and used all over the world.

### *Drupal Web Developer, Switchback*

Ann Arbor, MI — 2010-2011

Switchback was a Drupal based web development shop. It's primary focus was integration with Drupal and CiviCRM for businesses.

#### **Accomplishments**

- Developed web based software and web services for a number of large clients using drupal and civicrm
- Built the Faculty Memoir website for the University of Michigan [<http://www.lib.umich.edu/faculty-memoir/>]

### *Vision Application Engineer, CEC Controls*

Wixom, MI — 2008-2010

Machine Vision Integrator at factories for quality control.

#### **Accomplishments**

- Designed and programmed various industry standard vision systems for error proofing, traceability, and identification.
- Supported 200+ camera systems for new General Motors transmission plant
- Saved significant licensing and software cost by suggesting and installing various alternative open solutions

### *Summer of Code, Google*

Drupal Project Management Module - Remote — Summer 2007

### *Software Developer, Roadsoft*

Road Asset Management Software for MDOT Houghton, MI — 2006-2007

Drupal 7+ years.

#### *Full Stack Engineer Knowledge:*

- Mongo
- Postgres
- MySQL
- MVC
- Bootstrap
- JQuery
- AMQP
- ZeroMQ
- Celery
- Flask
- Gevent
- Numpy
- Scipy
- Pandas
- Scikit Learn
- OpenCV
- SimpleCV
- other various

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## REFERENCES

Available upon request.

