Chandler Abraham

San Francisco, CA United States

cbabraham@gmail.com

hipsterdatascience.com

Experience - Computer Vision and Imaging

Planet San Francisco, CA
Computer Vision Engineer *May 2016 - present*

- Engineering lead on Planet's photogrammetry pipeline, from prototype to production. This image registration system is used to assemble composite images for Planet's next generation imaging satellites, with an emphasis on backwards compatibility to Planet's existing satellite constellations.
- Designed and implemented image quality metrics for real-time monitoring of 100+ satellites.

Color Science Self-study San Francisco, CA
June 2016 - present

- Intense self-study of topics related to color reproduction, color perception and color correction. I have attended classes, workshops, conferences; given talks; implemented papers and written essays on the topic of color.

Experience - Software Engineering

Twitter San Francisco, CA
Software Engineer *May 2012 - March 2016*

- My time at Twitter consisted of two years focused on data pipelines and two years focused on real-time distributed systems.
- Redesigned Twitter's monthly active user calculation pipeline leading up to their IPO. The new design allowed for traceability of which users were being counted as active, greatly reducing mistakes in reported user numbers.
- Worked heavily on the Tweet Service, a low-latency high-throughput API that encapsulated all business logic around Tweet reads and writes. I designed the backend support for large product requests related to Tweet deletion and Tweet threading.

PagerDuty San Francisco, CA
Software Engineering Intern *January 2012 - May 2012*

Schweitzer Engineering Laboratories Moscow, ID
Software Engineering Intern *June 2010 - December 2010*

Ask me about

Imaging Systems Design	Distributed Systems Design
Color Science	Computer Networking
Data Visualization	Robotic Art
Differential and Projective Geometry	Teaching Kids to Code

Education

University of Idaho Moscow, ID
Computer Science *Aug 2007 - May 2012*

- Interesting classes: Bioethics, Evolutionary Computation

Lancaster University Lancaster, United Kingdom
Computer Science *Aug 2009 - Dec 2009*

- Interesting classes: Computer Networking, Human Computer Interaction