

# Paul Nguyen

[paul.tqh.nguyen@gmail.com](mailto:paul.tqh.nguyen@gmail.com)

985.640.9500

<http://bit.ly/paulnguyen>

Austin, TX

*Data Integration Technical Lead at Cycorp looking for software engineering opportunities in Austin, TX.*

---

## INDUSTRY EXPERIENCE

---

### Cycorp

Austin, TX

*Lead Data Integration Engineer*

*Feb 2017—Present*

- Independently rebuilt 20 year old legacy compiler to translate from our proprietary logic language to SQL & SPARQL.
- Designed & implemented framework for integrating data from web services into our knowledge graph search engine.
- Built distributed knowledge graph search and ETL engine based on our graph search engine.
- Develop deep-learning model (via pre-trained BERT) for data-driven word-sense disambiguation.
- Mentor junior developers and manage data team members.
- Primarily use Python, Jenkins, bash, JIRA, PostgreSQL, LISP, and Pytorch.

### University of Virginia

Charlottesville, VA

*Graduate Student Researcher*

*June 2012—Aug 2012*

- Published image processing language that optimally trade off image processing exactness for runtime performance.
- Implemented as a source-to-source compiler from Python to C/C++.

### Suffolk University

Boston, MA

*Undergraduate Social Networks Researcher*

*June 2012—Aug 2012*

- Studied impact of social media interaction on user popularity and social network growth.
- Developed Python web crawlers to scrape social media interaction data. Visualized data in d3.js.

### Washington & Lee University

Lexington, VA

*Undergraduate Computer Vision Researcher*

*June 2011—Aug 2011*

- Optimize MATLAB-based SVM image classifier via distributed computing and C/C++ & CUDA porting for PASCAL Visual Object Classes Challenge.

---

## EDUCATION

---

### University of Virginia

Charlottesville, VA

*Master of Computer Science*

*May 2015*

Thesis: [Image Perforation, Automatically Accelerating Image Pipelines by Intelligently Skipping Samples](#)

### Washington & Lee University

Lexington, VA

*Bachelor of Science, Computer Science*

*May 2013*

*Bachelor of Arts, Mathematics*

---

## MISCELLANEOUS EXPERIENCE

---

### Jazz Dance Education Council

Richmond, VA

*Dance Instructor & Board Member*

*May 2015—Feb 2017*

---

## TECHNICAL SKILLS

---

- Languages: Python, Javascript, ReactJS, bash, PostgreSQL, MS SQL Server, MongoDB, Firebase, SPARQL, CommonLISP, ExpressJS, HTML5, CSS, C/C++
- Tools: git, SVN, Jenkins, Pytorch, JIRA, NumPy, scikit-learn, matplotlib, BeautifulSoup, Puppeteer