Tyler Scott Palsulich

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EDUCATION:

New York University; New York, NY

• M.S. Computer Science (GPA: 3.92 / 4.00)	May, 2015
• B.A. Computer Science and Mathematics (GPA: 3.62 / 4.00)	May, 2014

TECHNICAL SKILLS:

- Programming Languages: Java (Experienced), C (Familiar), C++ (Familiar), Python(Familiar), MATLAB (Familiar), Ruby (Familiar), SML/NJ (Exposure), PHP (Exposure), Prolog (Exposure)
- Additional Knowledge: Android, Django, Flask, Git/SVN, Linux (Arch and Ubuntu), Ruby on Rails

WORK EXPERIENCE:

Software Engineer   *NASA Jet Propulsion Laboratory, Pasadena, CA (remote)*   *9/2014 – 4/2015*

- Built dark web search applications for DARPA Memex using Apache OODT and Apache Tika.
- Organized and participated in a hackathon in New York City to help visualize polar data.

Software Engineer Intern   *NASA Jet Propulsion Laboratory, Pasadena, CA*   *5/2014 - 9/2014*

- Worked on DARPA XDATA, an open source big data initiative.
- Elected as committer and Project Management Committee member for Apache Tika and Apache OODT.
- Contributed to multiple Apache Open Source Projects, including Tika (e.g. TIKA-1319 – Translation), DRAT (e.g. DRAT-6 – Automation script), GORA, and more.
- Implemented interface to translate millions of documents from Spanish to English.

Consultant   *Healthcare Talent, Workforce Solutions Group, private*   *5/2010 – 9/2013*

- Managed small business Linux server used by ~25 employees.
- Maintained Windows, Linux, and Mac machines and networks.
- Interacted with non-technical clients to recognize and implement their vision.

Web Development Intern   *Access Group Media, Fountain Valley, CA*   *6/2011 – 9/2013*

- Developed basic Wordpress and HTML/CSS.
- Collaborated with others to update popular content.

Private Tutor   *New York, NY*   *9/2013 – 5/2015*

- Taught Assembly, C, Calculus, Java, Linear Algebra, and Python to high school and college students.

ACTIVITIES:

• Programming Team Member: Solve difficult programming problems quickly and efficiently.	2013 – Present
• Instructor at Courant Splash of NYU: Taught high school students about modeling the spread of Ebola and about how to use Git for version control.	2013, 2014
• Independent Study of Introduction to Geometry Second Edition by Coxeter and Euclid's Elements under Professor Matthew Leingang of NYU.	Summer, 2011–2012

PROJECTS:

• NYU Bus Tracker: Officially promoted open source iPhone and Android application used to track NYU Buses and schedules in real time through Transloc API integration.	2013 – Present
• Translator from Java to C++: Semester long team project in Object Oriented Programming at NYU. I wrote ~4,000 lines of Java, a testing suite in Python, and used Git for VC.	Fall, 2012
• 7 Languages in 7 Weeks, by Bruce A. Tate: Brief introduction to Clojure, Haskell, Ruby, Scala, Erlang, Io, and Prolog.	Summer, 2013
• Huby: Static site generator written in Ruby.	Summer, 2013
• Auto Ack: IRC bot used to automatically acknowledge certain messages.	Summer, 2014
• HACS Sublime Text Plugin: Code completion and highlighting for the HACS compiler generator.	Fall, 2014