Kevin Vu
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## Skills

- Primary languages: Go, Python, Lisp (Scheme)
- Secondary languages: Java, C#, Ruby, Javascript, C++
- Interests: systems programming
- Frameworks: ROS, Rails, ASP.NET, Bootstrap

## Work

**Google, software engineering intern (accepted offer)**
*Mountain View, California | June 2015 – September 2015 | Manager: Mike Rovner*

**University of Washington Mobile Robotics Lab, research engineer**
*Seattle, Washington | September 2014 – present | Lead: Dr. Andrzej Pronobis*

- Designing and implementing state machines to model multi-floor navigation
- Develop programs using the Robotics Operating System framework (ROS) to monitor and maintain consistent Wi-Fi performance on the robot.
- Collect and analyze Wi-Fi data to determine the optimal Wi-Fi maintenance strategy.

**Microsoft, software development intern**
*Redmond, Washington | June 2014 – September 2014 | Manager: Bruce Green*

- Developed a library for viewing and extracting the content of *.WIM archives. Used this library as a layer of abstraction atop the existing *.WIM API to provide a natural tree interface to the archive without sacrificing performance.
- Built a GUI extension using the aforementioned library and the shell extension API that will allow Windows users to easily access *.WIM archives through Windows Explorer.

**Microsoft Research, software development intern**
*Redmond, Washington | June 2013 – August 2013 | Manager: Dr. Xiaodong He*

- Implemented a natural language query to SQL converter in C# for a database of airline and flight information.
- Created an ASP.NET web application (wingman.azurewebsites.net/) to demo the end-to-end interpretation of natural language queries to results.
- Contributed to a comprehensive report on the effectiveness of the ‘tagging’ approach to natural language parsing as opposed to the ‘semantic tree’ approach.

**ReadyPulse, software development intern**
*Bellevue, Washington | July 2012 – June 2013 | Manager: Mihir Vaidya*

## Education

**University of Washington (CSE major)** | *Seattle, Washington*
*Fall 2013 – present, expected graduation in 2016/2017*

- Cumulative major GPA: 3.84
- Hardware / Software Interface (CSE 351): 3.9
- Computer Programming II (CSE 143): 3.9
- Intro to Linear Algebra (MATH 308): 3.9

## Select projects

**boost – asteroid evasion game**
*November 2014 |* https://github.com/kvu787/boost

**LL1 grammar parser**
*August 2014 – September 2014 |* https://bitbucket.org/kvu787/ll1

**More projects at** https://github.com/kvu787/portfolio