

# Jacob Van De Weert

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**Objective:** A full-time position incorporating theoretical concepts and practical skills gained from education and internships into a new set of challenges.

## **Education:**

Carnegie Mellon University, Pittsburgh, PA, May 2014

- Computer Science/Cognitive Science double major

## **Notable Coursework:**

- Distributed Systems
- Science of the Web
- Machine Learning
- Algorithm Design and Analysis
- Principles of Programming Languages
- Applications of Cognitive Science
- Computational Models of Neural Systems
- Personalized Online Learning
- Introduction to Parallel Distributed Processing

**Programming Languages:** Scala, Python, Java, C, JavaScript, HTML, Standard ML

## **Work Experience:**

Flutter, San Francisco, CA (Summer 2013)

- Software Engineer working on object recognition and machine learning
- Trained and tested a new detector framework for integration with Flutter
- Tested and optimized gesture detector parameters for video frames
- Explored new ways to add rotation invariance to Flutter

Foursquare, New York, NY (Summer 2012)

- Software Engineering Intern on the infrastructure team
- Integrated facial recognition with photo cropping
- Designed and built a new site throttle server/webpage
- Learned MongoDB and researched how to best detect bad database connections

Lake Local School District Tech Department, Uniontown, OH (Summers 2010, 2011)

- Set-up, imaged and networked PCs, Macs, Laptops, Netbooks, printers, and routers

## **Projects:**

Bopdrox, (Summer 2013 - Present)

- A basic personal Dropbox clone, written in Scala
- Open source at [github.com/vweert36/bopdrox](https://github.com/vweert36/bopdrox)

Password Manager, (Summer - Winter 2011)

- A Python-based program utilizing RSA encryption
- GUI designed using the Python implementation of wxWidgets

Recursive Services/StartBridge, (Spring - Fall 2011)

- Recursive Services: a student-led start-up working on a wide variety of awesome projects
- StartBridge: a Recursive Services project that connects job/internship-seeking college students with start-up companies
- Created dynamic forms and data collection/processing webpages

**Achievements:** Eagle Scout, National Merit Scholar Finalist