

**NOLAN SMITH**

nolan330@gmail.com  
206.475.6824

notalwaysgray.net

## Education

### **Vanderbilt University** – 2011–2015

B.S., M.Sc. Computer Science

**Cumulative GPA:** 3.777/4.0

**Major GPA:** 3.854/4.0

### **Involvement**

Dean's List (All semesters)

Vanderbilt EECS T.A. (4 semesters)

Fine Art Minor

## Experience

### **Microsoft Corp. – Data Scientist** – 2015–present

- + Led development and analysis of the Device Age metric, informing high level decisions on Windows 10 marketing strategy.
- + Rewrote and maintained the data pipeline powering insights dashboards relied upon by the SLT and CXO offices.

### **Rustici Software – Software Engineering Intern** – 2014–2015

- + Contributed to an [open-source e-Learning library](#) to drive community adoption of a new specification.
- + Researched and implemented a [behaviorally driven conformance test suite](#) for the new specification.

### **VU Molecular Simulation Group – System Admin** – 2013–2014

- + Built a 5-node heterogeneous Linux-based GPU cluster, attaining up to an order of magnitude speed-up for core simulations.
- + Wrote parallel C++ under the CUDA model to optimize jobs.

### **M.S. Thesis Projects** – 2014–2015

- + [Client-Server Application](#) using functional design elements in Java8.
- + [Proof of concept](#) for an online distributed record linkage system based on Apache Storm.

## **Skills** + Languages

### **Functional Programming** **Object Oriented Design** **Experimentation** **Visualization**

Java8, Scala, C++11, C#/.NET, JavaScript, Python, R, Erlang,  
Node+Angular, D3

## Interests

Functional Design, Distributed Ledger, 3D Printing, Hiking