Nathan T. Peterson

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Experience

- **Progressive Insurance**   Mayfield Village, OH
  Application Developer   *September 2014 – Present*
    - Built a new, RESTful API in ASP.NET utilized by several key systems to facilitate update and retrieval of customer policies for agents
    - Developed a prototype application to receive an auto quote via the Amazon Echo
    - Backend development in C# for Progressive's online agent portal

- **Garmin International**   Olathe, KS
  Software Engineer Intern   *May 2013 – August 2013*
    - Worked on two new avionic systems that provide aircraft with increased situational awareness and navigation during landing, takeoff, and taxiing
    - Developed a data conversion tool in Python for viewing of aircraft log data in Excel and Google Earth
    - Maintained and updated data loggers for two avionic systems, written in C

- **Jackson National Life**   Houghton, MI / Lansing, MI
  iOS Developer Intern   *August 2013 – September 2014*
    - Developed a native iOS application in Objective-C for use by recruiters at career fairs
    - Worked on resume image optimization and text recognition for automated field population
  Intern Project Lead   *January 2013 – May 2013*
    - Assisted in leading the development of an internal web application for developer performance tracking
    - Developed using Java Server Faces, using a DB2 database, and deployment via a JBOSS server
  Systems & Programming Intern   *May 2012 – August 2012*
    - Developed an enterprise-level web application on a team to streamline many common daily tasks
    - Primary development in Java, JSP, and JavaScript

Projects

- **UnityDrive**
  Started at MHacks 2013, UnityDrive aimed to unify a user's cloud storage services by linking them together in a single application.

- **Broderoids**   http://goo.gl/aWPtB
  Cross-platform, multiplayer Asteroids clone developed on a team in Java using LibGDX. Now available on Google Play.

Languages

Java, C#, Python, JavaScript, Objective-C, C++, C

Education

- **Michigan Technology University**   Houghton, MI
  Bachelor of Science in Computer Science   *Grad: May 2014*
  Cumulative GPA: 3.12
    - **GPU Research**
      Undergraduate Research Assistant
      * Researched the performance impact of using hardware supported vector types in CUDA and OpenCL as compared to a standard loop unroll with prefetching