

Kory Ray Watson

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Interests

Machine Learning, Hardware, Computer Vision



Work Experience

- 06/2018 – 09/2018  **Apple** – **SW & Machine Learning Engineer Intern** | *Apple ML and Artificial Intelligence*
- 06/2017 – 09/2017  **Google** – **Software Engineer Intern, Tools and Infrastructure** | *Cloud Billing*
- 12/2016 – 04/2017  **UW School of Nursing** – **Software Engineer** | *Clinical Informatics Research Group*
- 06/2016 – 08/2016  **Microsoft** – **Software Engineer Intern** | *SQL Server Tooling, High School Intern Program*
- 06/2015 – 08/2015  **Blue Origin** – **Software Engineer Intern** | *Avionics*
- 06/2014 – 08/2014  **Boeing** – **Embedded Software Engineer Intern** | *P-8 Program*
- 12/2013 – 02/2014 **SeaTec Consulting** – **Lead Software Engineer Intern**
- 05/2013 – 05/2015  **Pacific Northwest Business Aviation Association** – **Web Manager Intern**
- 09/2016 – 12/2016  **University of Washington** – **IT Technician / Support**

Education

- 09/2016 – 12/2019  **University of Washington** – *Paul G. Allen School of Computer Science and Engineering (CSE)*
Major: Computer Engineering | GPA 3.73

Research & Teaching

- Fall 2018  **University of Washington** – **Teaching Assistant** | *The Hardware Software Interface*
Topics: Introduction to C, Assembly, x86 Architecture, Binary, Memory Allocation, etc.
Duties: Teaching a weekly section, holding office hours, grading, course planning
- Winter - Spring 2018  **University of Washington** – **Research Assistant** | *MODE Lab*
MODE: Machine Learning, Optimization, Distributed Systems, and (E) Statistics
Project: Implementing a VAE (Variational Autoencoder) on MNIST data, testing various parameters

Classwork

- CS/EE:** Foundations of Computing I (Proofs, FSMs, Logic) & II (Statistics), HW/SW Interface, Signal Conditioning, Introduction to Digital Design, Advanced Digital Logic, Systems Programming (C/C++), Data Structures and Algorithms, Data Visualization, Compilers, Security
- Math:** Linear Algebra, Vector Calculus with Analytical Geometry
- Physics:** Mechanics, Electromagnetism

Skills

Work Experience with

Java, C#, SQL, Python, (some) Pytorch, Objective-C, Objective-C++, Cocoa Framework
CSS/SASS, HTML, JS, Debian/CentOS

Used in classwork

C, C++, Verilog, Java, Python, Assembly

Familiar

Swift, Typescript, Scala, ASP.NET MVC (Core), Unity Engine, Premier Pro, Illustrator, Photoshop

Accomplishments

- 2016 – Current **Member of UW Lavin Entrepreneurship Program**
- 2016, 2017 **Participated in University of Washington DubHacks Hackathon**
- 2016 – 2017 Member of University of Washington “Startup UW” Organization Executive Team
- 2016 **Participated in Microsoft //OneWeek Company Hackathon**
- 2011 – 2016 Developed and published tutorial videos on YouTube (over 1M views so far)