# Zezhong Wen

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## Education

- **George Washington University** — Washington, DC
  *Master of Science in Computer Science; GPA: 3.95* — *Aug. 2016 – Dec. 2017*
- **Wuhan University** — Wuhan, China
  *Bachelor of Science in Computer Science; GPA: 3.5* — *Aug. 2010 – July. 2014*

## Experience

- **Huawei Technologies** — Shenzhen, China
  *Software Engineer* — *Aug 2014 - Aug 2016*
  - **FuisonCompute**: FusionCompute is a fully Huawei in-house developed computing virtualization software. FusionCompute provides the tuned high-performance and high reliabilities in VM instance provisioning, clustered resource pool management, and intelligent HA/FT scheduling.
  - **HiCloud**: HiCloud is Huawei's one-stop cloud service software, providing users with synchronization, uploading, downloading, phone finding and cloud storage expansion services.
  - **Huawei Dbank**: Huawei Dbank provides cloud storage service for customers
- **Citi Bank** — Hong Kong
  *Software Engineer* — *Mar 2013 - Mar 2014*
  - **Commercial bank interest rates Analysis System**: It is a financial software which can analyze and predict the interest rates. The software increases the efficiency of the company by 80%
- **ChinaSoft International** — Beijing, China
  *Software Engineer* — *Summer 2011 and 2012*
  - **Travelling Website**: It uses Web crawling to update the web content to get the latest travelling news and blogs. It uses clustering algorithms to help make travelling plans for customers.

## Projects

- **A light weight thread library** — Washington, DC
  *Software Engineer* — *Dec 2016 - May 2017*
  - : light weight thread channels: asynchronization and multi-wait.
  - : M:N Threading, combination with kernel thread.
- **New ideas based on Hamerlys algorithm to accelerate k-means** — Washington, DC
  *Machine Learning researcher* — *Dec 2016 - Jun 2017*
  - : A new (lower/upper)bound update function based on Hamerly's algorithm to accelerate k-means
  - : Better k-means Objective and faster (5-8 times) than Hamerlys algorithm.
- **Key framing Animation** — Washington, DC
  *Software Developer* — *Dec 2016 - Jun 2017*
  - : Implemented using both forward kinematics and inverse kinematics
  - : CATMUL_ROM and B_SPLINE interpolation method switchable.

## Programming Skills

- **Languages**: Java, C, Shell, C++, Python, SQL, Html, Javascript, Assembly, Scala, Powershell
  **Technologies**: AWS, Vmware, Xen, Hadoop, RedHat, Suse, Zabbix, OpenGL