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TONY H. HUYNH

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EMPLOYMENT

Software Engineer **Amazon (AWS EBS)** **July 2017 – August 2020**
 Languages: Java, Ruby. **Technologies:** Google Guice, Spring, ANT, Git, IntelliJ, internal tools
 Implement public EBS APIs
 Design and develop a new control-plane micro-service to service API traffic
 Lead security review and develop APIs for EBS Fast Snapshot Restore feature
 A member of the AWS Guardians program. Held bi-weekly office hours to facilitate the process of evaluating
  application security threats on new projects across the EBS org.

Software Engineer **Thales Avionics** **June 2016 – June 2017**
 Languages: C++, Python, Bash, Groovy. **Technologies:** Openstack, OpenVSwitch, QEMU/KVM
 Virtualized the in-flight entertainment system and hosted the virtual machines on a private (team-managed)
  cloud

Software Engineer **Thales Avionics** **Jan 2013 – May 2016**
 Languages: C++, Javascript. **Technologies:** Linux, NodeJS, Git, ZeroMQ, Protobuf, Eclipse
 Implemented the aircraft simulation for a virtualized in-flight entertainment system that is to be used by
  software developers for testing their applications.
 Improved projects' build time from a manual process that took approx. 2 hours to an automated process that
  takes approx. 15 minutes.

Game Framework Coder, Intern **World Domination Industries** **Summer 2011**
 Implemented a game framework (including support for sound, music, loading assets, rendering, and user input)
  for the Android platform using MonoDroid and C#.
 Utilized multi-threading and buffering techniques to maintain application's responsiveness.

EDUCATION

Irvine, CA **University of California, Irvine** **Sept 2008 – Dec 2012**
 M.S. in Computer Science, December 2012. Total GPA: 3.791.
 B.S. in Computer Science with Minor in Mathematics, June 2011. Total GPA: 3.816.
Awards: Cum Laude (GPA within top 8% of graduating class)

 Graduate Coursework: Databases; Algorithms; Computer Networks; Computer Vision; Compilers; Machine
  Learning.

 Undergraduate Coursework: Computer Graphics; Computer Networks; Artificial Intelligence; Operating
  Systems; Algorithms; Comp. Architecture; Quality Assurance; Multivariate Calculus; Linear Algebra;
  Differential Geometry.

Languages and Technologies

Programming: *(proficient)* **Java.** *(prior experience)* **C++; Ruby; Perl; Bash Script; Python; Javascript; C#; GLSL;
HLSL; SQL; HTML; XHTML; XML.**

Organizations

Toastmasters International
VP Membership   July 2016 – May 2017
Sergeant-At-Arms   Jan 2016 – June 2016