

# MATTHEW DU

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**SUMMARY** Fourth year computer engineering student with 6+ years of experience in software engineering and graphic design. Pursuing a full-time position where I can apply these skills to a role in software development or interface design.

**EDUCATION** **University of Maryland, A. James Clark School of Engineering** College Park, MD  
B.S., Computer Engineering (GPA: 3.9) Expected May 2018  
B.S., Japanese Language Studies (GPA: 4.0)  
• **Honors College:** Digital Cultures and Creativity (DCC) Citation received Nov 2016  
• Presidential Scholarship recipient  
Eta Kappa Nu (HKN) – IEEE Electrical Engineering & Computer Science Honor Society Inducted April 2015  
Phi Kappa Phi (PKP) – National Honor Society Inducted April 2016

**RELATED EXPERIENCE** **Microsoft Corporation – Office Release and Delivery Experience (Office RDX)** Redmond, WA  
Software Engineering Intern May 2017 – Aug 2017

- designed, prototyped, and deployed a RESTful API service for Microsoft Office user telemetry, using .NET Core, now used as a core service for all front-end applications
- added features to an internal web tool for release drivers using Angular 2 and TypeScript, allowing release drivers of Office teams to embed Power BI reports within their respective team views

**Tohoku University – Applied Robotics Laboratory** Sendai, Japan  
Student Researcher Sep 2016 – Jan 2017

- collaborated with researchers and designers to model and implement a C controller for a wearable robotic interface, designed to assist physically impaired patients with day-to-day tasks
- integrated model simulations with 3D motion-tracked user data to improve usability and performance

**OriGene Technologies** Rockville, MD  
Graphics and Web Designer Mar 2013 – Aug 2017

- designed logos, graphics, ads, and other 2D assets using Adobe Photoshop, Illustrator, and After Effects
- built and implemented responsive web pages using HTML5 and Angular JS

**SELECT PERSONAL PROJECTS**

- SmartPedal** | 2017 | wireless pedal for a MIDI controller, with Android app via BLE 4.2 for full IoT connectivity
- AniSort** | 2016 | web-based app for tracking and rating shows on your watch list or backlog using ReactJS
- Project Adéux** | 2015 | predictive harmonic analysis and piano accompaniment of a real-time MIDI input (in Java)
- AccessPunch** | 2015 | responsive hardware interface managing room access through any magnetic stripe card

**LANGUAGES**

Ruby	●●●●●	C++	●●●●○	English	●●●●●
Java	●●●●●	JavaScript	●●●●○	Mandarin	●●●●○
C	●●●●●	HTML	●●●●○	Japanese	●●●●○
C#	●●●●○	Python	●●●○	Spanish	●●●○

**SOFTWARE AND OTHER SKILLS**

- Low-level design:** IDA Pro w/ Hex-Rays, Xilinx ISE, OrCAD PSpice
- Graphic design:** Adobe Photoshop, Illustrator, After Effects; Autodesk Inventor, Fusion 360
- Misc. software:** MATLAB, Microsoft Office, VMWare, Git, SVN
- IDEs:** Visual Studio, Eclipse, IntelliJ, Vi, nano