

JUSTIN YING

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PERSONAL INFORMATION

B.S. in Computer Engineering
Graduation: April 2016

University of Pittsburgh
GPA: 3.73/4.00

I'm a software engineer passionate about developing structured, organized code, creating intuitive, responsive, and effective user experiences, and maximizing program efficiency.

DEVELOPMENT EXPERIENCE

Epic

May – August 2015

Software Development Intern

- Developed an Android application and extensible framework to allow physicians to add text, measurement, and free-form annotations to clinical images
- Utilized OpenCV for image processing to allow for relative distance measurements
- Designed annotations to support cross-platform compatibility with iOS devices

Radiation Simulation via HPC

January – May 2015

Swanson School of Engineering Research Assistant

- Created a ray tracer to calculate high resolution heat radiation view factors for variable TED geometries
- Utilized GPU acceleration to increase the simulation's speed and precision
- Second author of journal article "Numerical Solution of Radiation View Factors within a Thermoelectric Device" currently under review for engineering journal *Energy*

Epic

May – August 2014

Software Development Intern

- Produced a fully-functional ASP.NET web application
- Collaborated with UX and QA staff to design and implement an improved user interface that performed consistently across multiple browsers and scaled to varying screen resolutions
- Accessed Caché database in C# using proprietary ORM to store and retrieve relevant data

Tab Cleaner (Chrome Extension)

February 2015 – Present

Developer

- Published a Chrome extension that allows for the customization and simplification of Chrome's new tab page
- Adhered to material design principles and actively interacted with users to improve usability

Bentley Systems (BSW)

May – August 2013

Software Development Intern

- Modified MicroStation source code to comply with C++11 standards
- Enforced proper enum usage throughout the MicroStation codebase
- Refactored legacy code to improve maintainability

SKILLS

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|-----------------------------------|---------------------------|----------|
| ▪ Java, C# (Experienced) | ▪ Knockout.js, Angular.js | ▪ C, C++ |
| ▪ Android Application Development | ▪ Python, Django | ▪ SQL |

ACTIVITIES AND AWARDS

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|--|------------------------------|
| ▪ University of Pittsburgh Full Tuition Honors Scholarship | August 2011 – Present |
| ▪ Swanson School of Engineering Dean's Honor List | August 2011 – Present |
| ▪ Historian & Web Admin: Society of Asian Scientists and Engineers | October 2013 – November 2014 |
| ▪ National Merit Scholarship Recipient | August 2011 – April 2012 |