MICHIGAN STATE UNIVERSITY

03/15: Intellectual Property

The Capstone Experience

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From Students... ...to Professionals

Caveat Emptor

- Opinions Expressed
 - My Own
 - Do Not Represent MSU
- Not an Attorney
- No Warranty

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Lots of Variables

- Who Your...
 - …Employer Is
 - ...Customers Are
- Very Different Rules/Laws/Policies
 - Industry
 - Privately Held
 - Publically Held
 - Government
 - Government Contractor
 - Educational Institution
 - Etc...

Intellectual Property

- "Ideas" Worth Money Must be able to "fix in a tangible medium".
 - How to Make Something
 - How to Do Something
 - Work of Art (Music, Movie, Photo, Painting, Novel, Etc.)
 - Pharmaceutical
 - Process
 - Algorithm
 - Etc...
- Must Protect
- Types of Protection
 - Copyrights
 - Patents
 - Trademarks
 - Trade Secrets
 - Etc..
- Check with an IP attorney.

Patent vs Copyright

• Patent

- Own "Idea" For 20 Years
- Protect Via Patent Process
- Harder to Obtain
- Easier (but not Easy) to Enforce Protection
- Copyright
 - Own "Text" For Life of Author + 70 Years
 - Protect Via Copyright
 - Easy to Obtain
 - Automatically
 - "© 2018 by Wayne Dyksen. All Rights Reserved."
 - By Formally Registering
 - Harder to Enforce Protection

Check with an IP attorney.

What's the motivation for granting patents and copyrights?

- Happy Birthday Song
- Software

Patent vs Trade Secret

Patent

- Own "Idea" For 20 Years
- Protect Via Patent Process
- Easier to Enforce Protection
- Trade Secret

Interesting Examples of Trade Secrets

- Coke Formula
- Houdini's Escapes

- Own "Idea" Forever
- Protect Via Non-Disclosure and Non-Compete
- No Enforcement Protection if Secret Disclosed

IP Enforcement

Laws

- US State & National
- Non-US National
- International
- Big Problem
 - Counterfeiting Rampant
 - Software
 - Drugs
 - Music, Movies, Etc.
 - Clothing & Accessories
 - Etc...
 - Stealing Rampant
 - Enforcement Non-Existent in Some Countries
 - Software Alone Big \$\$

Non-Disclosure Agreement (NDA)

- You agree not to misuse company information.
 - Trade Secrets
 - Copyrights
 - Confidential Information
 - Product Plans
 - Software
 - Schematics
 - Etc...
 - Etc..
- Misuse Includes...
 - ...Disclosing
 - ...Selling
 - ...Using for Your Startup Company
 - ...Using at Next Employer
 - Etc...

Intellectual Property Agreement (IPA)

- You agree to assign all IP created to your employer.
 - Copyrights
 - Patents
 - Trade Secrets
 - Etc...
- Agreements Vary in Scope
 - Relationship of IP to Your Job
 - Time
- What happens if you...
 - Increate patented IP that earns your employer \$18?
 - ...leave your employer to patent an idea on your own?

Non-Compete Agreements

- You agree not to compete with your employer.
- Agreements Vary in Scope
 - Relationship of Employer Markets
 - Position
 - Time
- May Affect
 - Moonlighting
 - Career
- Can Be Very Restrictive

Employment Agreements

- Required as Condition of Employment
- Agreement May Cover
 - Non-Disclosure
 - Intellectual Property
 - Non-Compete
 - Etc..
- Agreements Vary
 - Employer
 - Position
- Probably Non-Negotiable for You

Remedies

- What happens if you violate an agreement?
- Agreements Vary
 - Function of
 - Employer
 - o Position
 - o Etc.
 - Can Be Severe
 - Should Be Taken Seriously
- Often Monetary Damages Levied Against
 - You Personally
 - Your Startup Company
 - Your New Employer
- Not to Be Taken Lightly

Typically pursued in civil courts visà-vis criminal courts.

Seek Professional Advice

- If your idea is valuable, protect it.
- Invest
 - Time
 - Money
- Consult
 - Trusted, Experienced Mentors
 - State and Local Development Authorities
 - IP Attorney
- In Advance

All-Hands Meetings

• W09, 03/13: What's ahead?

- W09, 03/15: Intellectual Property
- W10, 03/20: Design Day and the Project Videos
- W10, 03/22: Camtasia Demo
- W11, 03/27: Ethics and Professionalism
- W11, 03/29: Team Status Reports

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All-Hands Meetings

- W12, 04/03: Team Beta Presentations
- W12, 04/05: Team Beta Presentations
- W13, 04/10: Team Beta Presentations
- W13, 04/12: Team <u>Beta Presentations</u>
- W14, 04/17: Team Status Reports
- W14, 04/19: Team Status Reports

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