Today’s “Friendly Conversation” topic… ~3-5min

Agile Manifesto

“We are uncovering better ways of developing software by doing it and helping others do it. Through this work we have come to value:

- Individuals and interactions over processes and tools
- Working software over comprehensive documentation
- Customer collaboration over contract negotiation
- Responding to change over following a plan

That is, while there is value in the items on the right, we value the items on the left more.”

Software Engineering

Session: Week 1 Session 1
Instructor: Eric Pogue

LEWIS UNIVERSITY
A Catholic and Lasallian University

Agenda:

1. Friendly Conversation & Good Natured Banter… let's make sure that everyone gets a good seat where they can hear and speak comfortably
2. Welcome & Introductions*
3. Syllabus Overview
4. Your Turn for Introductions
5. People, Process, and Technology… and the Virtuous Triangle
6. Agile Definition
7. Assignment and Lab… and a first attempt at self-organizing lab ("Scrum") teams
8. Lab Time… and Report-Out
9. Assignments, Wrap-up, and Final Comments

Discussion & Questions welcome at any time… please be present with no phones or email during our discussion time

Welcome & Introductions

This is:

Software Engineering

TTh 11:00 to 12:15pm CST

AS 106A

And I am:

Eric Pogue

Introduction Topics:

Full and Preferred Name
Family, Home, College background
Programming experience
Likely programming environment
Top two or three things that you would like to get out of this class
Hobby or two
Unique fun fact about yourself

Welcome & Introductions

Full and Preferred Name:

Eric Pogue

Eric, Mr. Pogue, or Professor

Family, Home, College background:

Married with five children, recently relocated from Davenport, IA to Chicago area

Undergraduate in CS and Masters in Business… teaching online/evening for many years

Programming experience:

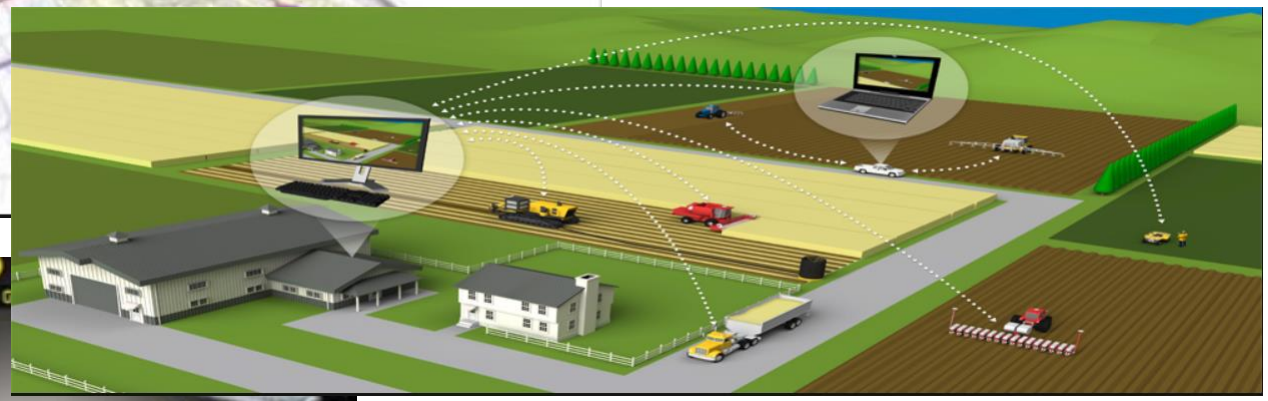
Decades in the industry as a developer, architect, project manager, manager, vice president of various software development organizations.

Part of many teams that have delivered products to ten's of millions of customers globally

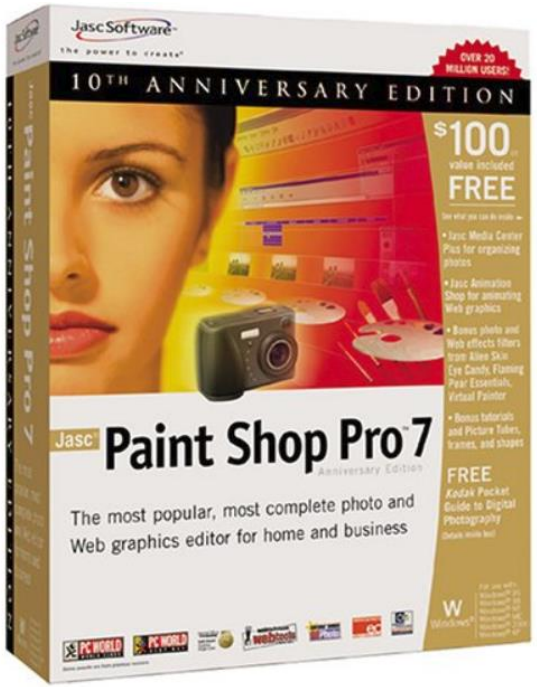
Parsons Technology, Intuit, The Learning Company, Jasc Software, and John Deere

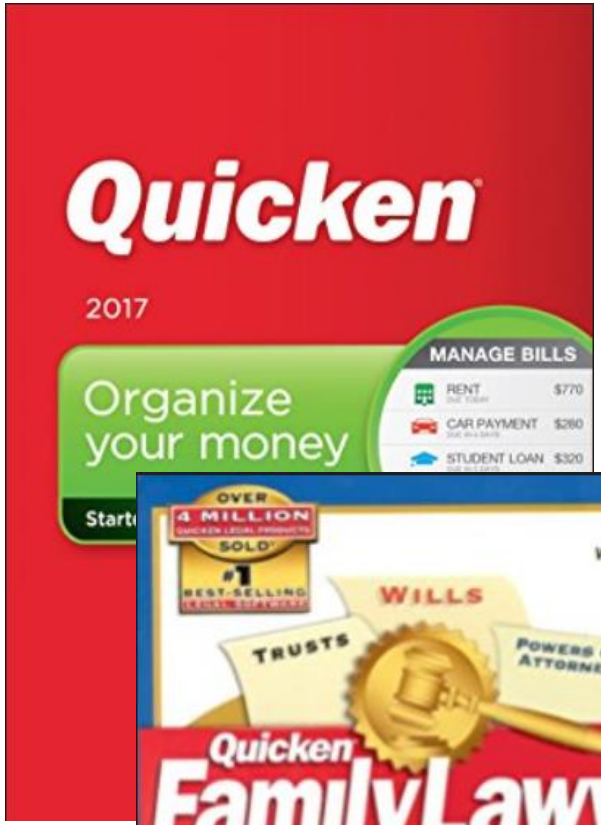
… and currently working on a startup with my oldest son

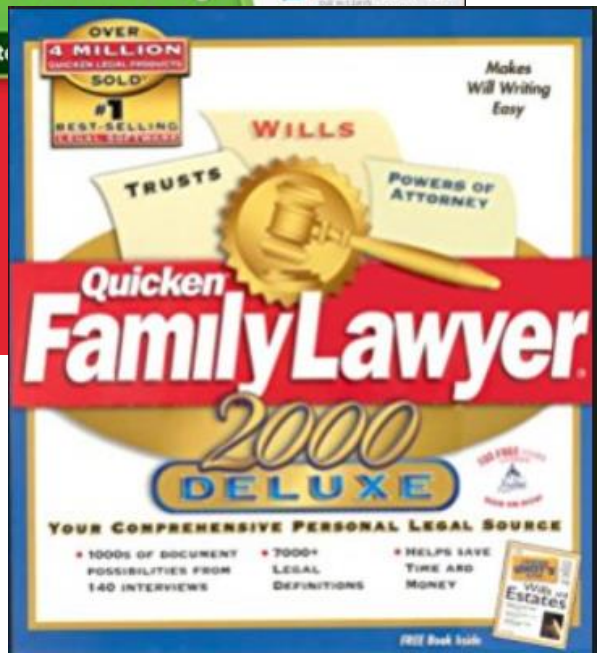

JDLink
Wireless Communications




Maschinen von Kunden oder Vertriebspartnern
Computer
JDLink
Wireless Communications
INTERNET
Service-Netzwerk


Jasc Software
the power to create
OVER 20 MILLION USERS!
10TH ANNIVERSARY EDITION
$100 value included FREE
Jasc Paint Shop Pro 7
Anniversary Edition
The most popular, most complete photo and Web graphics editor for home and business
FREE Kodak Pocket Guide to Digital Photography


Quicken
2017
Organize your money
MANAGE BILLS
RENT $770
CAR PAYMENT $260
STUDENT LOAN $320


OVER 4 MILLION SOLD
#1 BEST-SELLING
Makes Will Writing Easy
WILLS
TRUSTS
POWERS OF ATTORNEY
Quicken
FamilyLawyer
2000
DELUXE
YOUR COMPREHENSIVE PERSONAL LEGAL SOURCE
1000s OF DOCUMENT POSSIBILITIES FROM 140 INTERVIEWS
7000+ LEGAL DEFINITIONS
HELPS SAVE TIME AND MONEY

Welcome & Introductions

Likely programming environment

Personal Laptop, Windows 10, Chrome browser, PowerShell, and Visual Studio Code text editor

Hobbies:

Wilderness Canoeing & Camping (Quetico) and Triathlons

Top two or three things that you would like to get out of this class

- **help each of you be successful in this class**
- **explore software development processes and techniques together and motivate you to look deeper**
- **and for us to find a little enjoyment and fun along the way***
- **… oh yes, and it would be wonderful if I could help you build something that made you proud during the semester**

Fun Fact:

At one point I had the very dubious "honor" or being the most traveled John Deere employee to India with 40+ trips over a 5-6 year period while setting up the 400+ person John Deere Technology Center – India application development organization.

Your Turn for Introductions

Introduction – Please Introduce Yourself

Full and Preferred Name:

-
-

Family, Home, College background:

-
-

Programming experience:

-
-

Please rate yourself in the following technical areas on a scale of 1 to 5

__ Web front-end (HTML & JavaScript)
__ Middle Tier (REST, JSON, NodeJS)
__ Database (SQL, NoSQL)
__ Website Security (Authentication, Authorization, User Management)
__

Hobbies:

-
-

Top two or three things that you would like to get out of this class

-
-
-

Fun Fact:

-

Syllabus Review

Your Turn for Introductions

Introduction – Please Introduce Yourself

Full and Preferred Name:

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Family, Home, College background:

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Programming experience:

-
-

Please rate yourself in the following technical areas on a scale of 1 to 5

__ Web front-end (HTML & JavaScript)
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-

Top two or three things that you would like to get out of this class

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-
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Fun Fact:

-

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5. People, Process, and Technology… and the Virtuous Triangle
6. Agile Definition
7. Review Current Learning Objectives
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People, Process, and Technology

Software Engineering:

People: Teams, Optimism, Engagement, Ambition, Dedication, Leadership, Skills, Experience, Domain Knowledge…

Process: Waterfall/Iterative/Agile, Portfolio Management, Project Management, Funding, Prioritization, Metrics…

Technology: Configuration Management, Cloud Hosting, Scriptable Infrastructure, Source Code Management, Automated Testing…

…And the Virtuous Triangle

Software Engineering:

People: Teams, Optimism, Engagement, Ambition, Dedication, Leadership, Skills, Experience, Domain Knowledge…

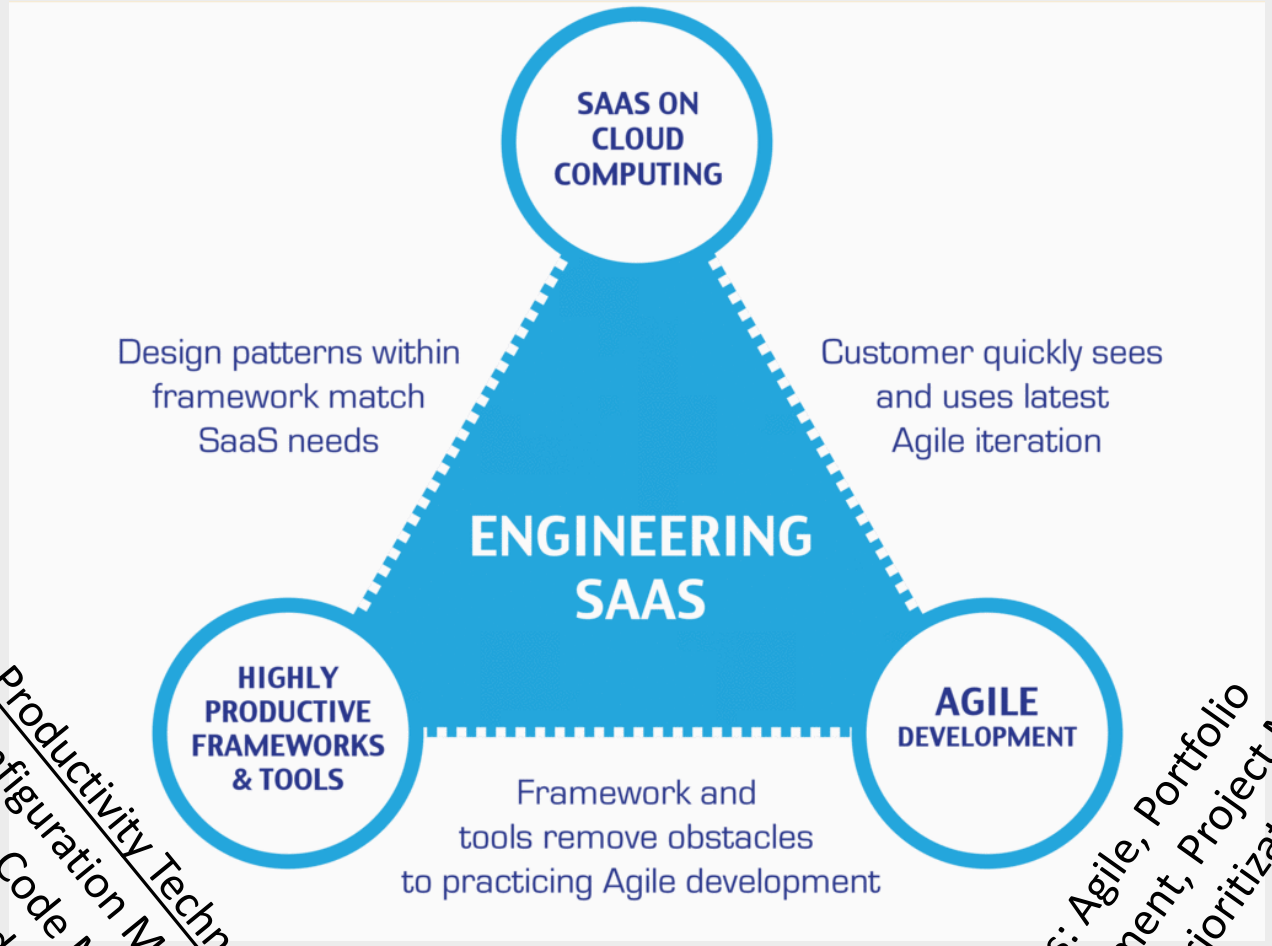
Process: Waterfall/Iterative/Agile, Portfolio Management, Project Management, Funding, Prioritization Metrics…

Technology: Configuration Management, Cloud Hosting, Scriptable Infrastructure, Source Code Management, Automated Testing…

People: Teams, Optimism, Engagement, Ambition, Dedication, Leadership, Skills, Experience, Domain Knowledge…

Hosting Technology: Cloud, Scriptable Infrastructure, Software as a Service (SaaS)…

…And the Virtuous Triangle



Productivity Technology: Configuration Management, Source Code Management, Automated Testing…

Process: Agile, Portfolio Management, Project Management, Funding, Prioritization, Metrics…

Agile Manifesto (February 2001)

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Assignment

Prior to class on Thursday:

1. Be fully prepared “Scrum-ify” Ourselves… our first chance to demonstrate our capabilities as self-organizing Scrum team members
2. View and reflect on “Introduction to Scrum in 7 Minutes” video [link]
3. Be prepared to discuss Ch.1.1 to 1.3
4. Be prepared to discuss Ch.10.1 to 10.5… focusing on Scrum and Git
5. Install/implement MS PowerShell [link]
6. Install Git Client [link]… and test it on multiple shells
7. Be prepared to: Utilize (local) Git Client to create, update, branch, and merge a local project utilizing a beginners level tutorial… one option would be “An Intro to Git and GitHub for Beginners” [link]

Estimate: 3 hours… “Fist of Five” Agile polling

Lab Time ~30min
Lab (“Stand Up”) report out at 12:10

Lab Assignment:

1. Split into “Two-Pizza” sized Lab (“Scrum”) teams (3-8 people per team) ~3min
2. Elect a team leader (“Scrum Master”) ~2min
3. Give your team a name… a specific type of wild animal ~1min
4. Spend our lab time helping each other accomplish items 5, 6, 7 from today’s assignment
5. Perform a team “Fist of Five” polling on the assignment and alternatives at 3:08 ~2min
6. Be ready for a ~1 minute Lab (“Stand Up”) report-out where the team leader (“Scrum Master”) will report your progress, capacity, and commitment on the assignment items
7. Optionally, continue to assist each other with today’s assignment outside of class

Lab (“Stand Up”) Report-Out

Wrap-up and Final Questions/Comments?

End of Session

Instructor: Eric Pogue