

MD -

Sugar grant

why this profession?

1. The impact of software developers' work is of very great significance & penetrating increasingly. They are not only heterogeneous group but ~~2~~ ^{for} disciplines CS & EE educate them & concern themselves with professional standards.

CS people look to engineering methodology or at least to how engs view others' methodology for refining testing methodology for ex {MDT observed this at a test? defense what can elaborate?}

So the competition or div of labor between these two areas gives this professionalization effort added interest?

Is it like the division of turf betw architects & civil engineers?

At the same time, it is at least 20 yrs since discussion began about making software development an engineering prof.

So we need a better understanding of what has held back this development

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What precipitates professionalization

1. Public demands?
2. Practitioners who seek the privileges ~~bestowed~~ they have come through a demanding education & see the burdens and understand their self-interest better?

What are the components of the self-interest that drives ~~professionals~~ practitioners to become "professionals" contrast the market-place orientation of those fund-raising ~~exec~~ executives & soft-ware developers

* December 7
of some years
back

Another interesting feature of this case
Development of ethical standards in
tandem with technical standards

A third

The models for disciplining soft-
ware development incorporate
business organization factors ~~in a way~~ ~~that contrasts with~~ ~~engineers' standards~~

eg. The capability maturity model
integrates ~~the~~ managers and customers
or clients in decision making and
assessing

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Licensing has already emerged as
a contentious ~~issue~~ ^{between EE & CS}
so this instance allows study
of certification issues from a fresh
slant

Education / ^{ethical} Standards / ^{Techn} standards
The tension here is interesting
because ~~because~~ all are developing
at the same time.
contrast to engineering