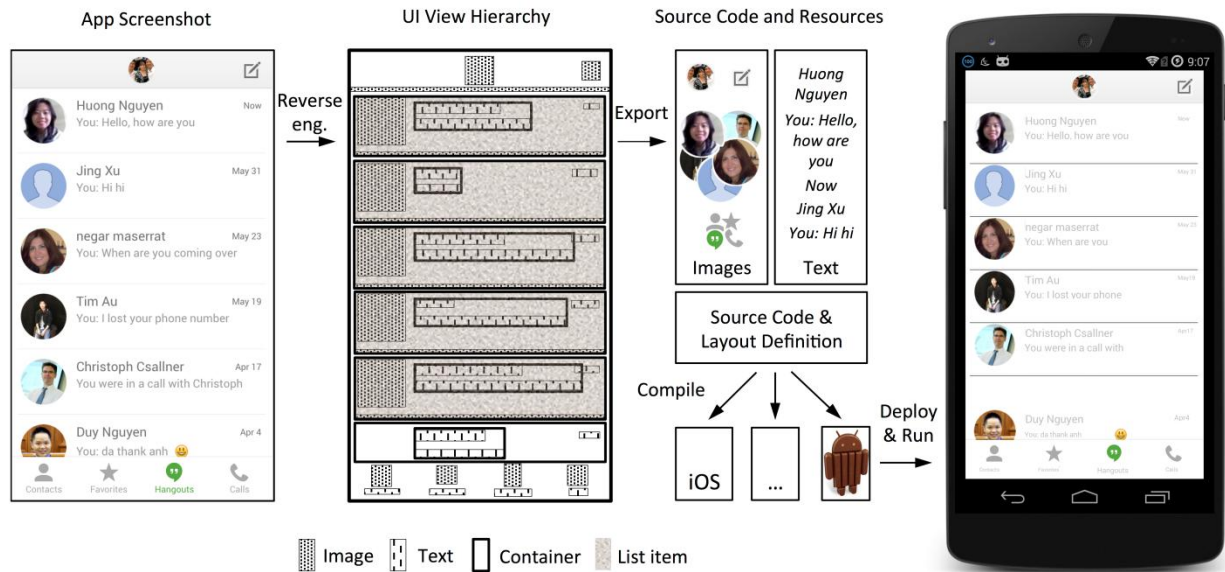


# iPerform: Pixel to App



**Figure 1 – Pixel to App converts a given screenshot to an executable mobile phone application (which is focused on the UI). Left: Screenshot of an iPhone app. Right: Corresponding Android application generated by Pixel to App.**

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Budget for three years: \$50k per year

Proposed deliverables:

- Support a set of input screens and transitions between them
- Support a range of input formats: Photoshop, prototyping tools, etc.
- Support targets other than Android: iOS, HTML5
- Automatically improve tool by analyzing code and its original screen design
- Allow developers to give feedback to the tool to improve generated code quality
- Index and search inputs by features
- Incorporate feedback from professional app developers

Award-winning paper: <http://ranger.uta.edu/~csallner/papers/nguyen15reverse-abstract.html>

Academic web site: <http://cseweb.uta.edu/~tuan/REMAUI/>

⇒ **Free online demo:** <http://pixeltoapp.com/>

*This material is based upon work supported by the National Science Foundation under Grant No. 1117369 and 1547991. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.*