

Students:

| Year in College | Major | Programming Experience | Biggest Issue | What helped or would have helped | Comments: |
|-----------------|-----------|------------------------|---|--|--|
| Senior | CS | 4 years | Syntax | N/A (First survey didn't ask) | Lack of feedback from instructors contributed to this. |
| Senior | CS | 3 years | Syntax | Working in a group | It was difficult to say something in a way the language would understand. |
| Junior | CS | 3 years | Switching programming paradigms | Learning why something works the way it does and how it works that way. (Concepts) | It was difficult because we are taught one way then switched to another way. |
| Sophomore | Other | 1 semester | Syntax | A tutor | What would be cool would be a way to use voice to create programs. |
| Sophomore | CS | 2 years | Lack of info and missing info | Visuals and examples of algorithms and structures | The Textbook for data structures aren't good. Lot of the info for the structures is missing. |
| Junior | CS | 1.5 | lack of standards in IDE. | Rebuilding existing programs. | N/A |
| Sophomore | CS | 1 year | Recursion and concepts of data structures | Hands on experience. | More exposure to different languages would be great. |
| Junior | Former CS | 2 years | Math and Syntax | 1 on 1 help | Left program because of Math |
| Junior | Other | 1 year | Java Syntax | visiting a tutor everyday. | I want a good tutor program that gives you practice on syntax. |
| Junior | Other | 1 semester | Syntax, functions, and | A tutor | I want a dictionary for all the code. |

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| | | | definitions for words | | (API) |
| Senior | Other | 1 year | Getting enough hands on experience | Explanations of programs. | Left CS due to complexity of lectures. |
| Senior | CS | 3 years | Java syntax structure and data flow after hitting Java Library methods and classes in code. | Would have liked to have known about the Java API and seen it's source code. | Note: This is Wei's personal self survey for when he was in CS1. |

Teachers:

| Issues students face | Made it easier for students to learn | Ideas | comments |
|---|--|--|---|
| A different way of thinking. (computational thinking) | plug and play. light bots. | A way to facilitate pair programming in an extension. | too much coding and not enough good habit building in CS. |
| Design, creating something new and open ended, building something new, and the Object oriented model. | Role Play and acting out the executions. | a way to network students together to work with one another. | Jboxes |