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# SIGCHI Extended Abstracts Sample File: Note Initial Caps

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**Abstract**

UPDATED—May 15, 2020. This paper presents the results of a comparative study about Kotlin and Java as programming languages for realizing Android Applications. In particular we cover different fields like complexity, coding costs, and code structure. Furthermore, we undertook a closer look at the features of Kotlin and Java. Conclusively we will go over which coding language fits beginners.

**Author Keywords**

Java; Kotlin; Application Development; Code Complexity;

**CCS Concepts**

•**Human-centered computing** → **Human computer interaction (HCI)**; *Haptic devices*; User studies; Please use the 2012 Classifiers and see this link to embed them in the text: [https://dl.acm.org/ccs/ccs\\_flat.cfm](https://dl.acm.org/ccs/ccs_flat.cfm)

**Introduction**

This format is to be used for submissions that are published in the conference publications. We wish to give this volume a consistent, high-quality appearance. We therefore ask that authors follow some simple guidelines. In essence, you should format your paper exactly like this document. The easiest way to do this is to replace the content with your own material.

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### Good Utilization of the Side Bar

**Preparation:** Do not change the margin dimensions and do not flow the margin text to the next page.

**Materials:** The margin box must not intrude or overflow into the header or the footer, or the gutter space between the margin paragraph and the main left column. The text in this text box should remain the same size as the body text. Use the `\vspace` command to set the margin note's position.

**Images & Figures:** Practically anything can be put in the margin if it fits. Use the `\marginparwidth` constant to set the width of the figure, table, minipage, or whatever you are trying to fit in this skinny space.

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## Page Size

All SIGCHI submissions should be US letter (8.5 × 11 inches). US Letter is the standard option used by this L<sup>A</sup>T<sub>E</sub>X template.

## Text Formatting

Please use an 8.5-point Verdana font, or other sans serifs font as close as possible in appearance to Verdana in which these guidelines have been set. Arial 9-point font is a reasonable substitute for Verdana as it has a similar x-height. Please use serif or non-proportional fonts only for special purposes, such as distinguishing `source code` text.

### Text styles

The L<sup>A</sup>T<sub>E</sub>X template facilitates text formatting for normal (for body text); heading 1, heading 2, heading 3; bullet list; numbered list; caption; annotation (for notes in the narrow left margin); and references (for bibliographic entries). Additionally, here is an example of footnoted<sup>1</sup> text. As stated in the footnote, footnotes should rarely be used.

### Language, style, and content

The written and spoken language of SIGCHI is English. Spelling and punctuation may use any dialect of English (e.g., British, Canadian, US, etc.) provided this is done consistently. Hyphenation is optional. To ensure suitability for

<sup>1</sup> Use footnotes sparingly, if at all.



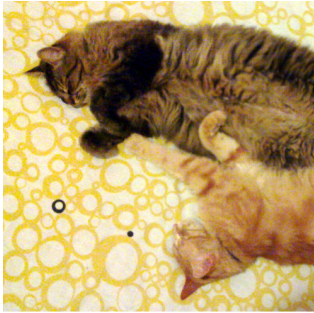
**Figure 1:** Insert a caption below each figure.

Name	Test Conditions		
	First	Second	Final
Marsden	223.0	44	432,321
Nass	22.2	16	234,333
Borriello	22.9	11	93,123
Karat	34.9	2200	103,322

**Table 1:** Table captions should be placed below the table. We recommend table lines be 1 point, 25% black. Minimize use of table grid lines.

an international audience, please pay attention to the following:

- Write in a straightforward style. Use simple sentence structure. Try to avoid long sentences and complex sentence structures. Use semicolons carefully.
- Use common and basic vocabulary (e.g., use the word “unusual” rather than the word “arcane”).
- Briefly define or explain all technical terms. The terminology common to your practice/discipline may be different in other design practices/disciplines.
- Spell out all acronyms the first time they are used in your text. For example, “World Wide Web (WWW)”.
- Explain local references (e.g., not everyone knows all city names in a particular country).



**Figure 2:** In this image, the cats are tessellated within a square frame. Images should also have captions and be within the boundaries of the sidebar on page 2. Photo: © jofish on Flickr.

- Explain “insider” comments. Ensure that your whole audience understands any reference whose meaning you do not describe (e.g., do not assume that everyone has used a Macintosh or a particular application).
- Explain colloquial language and puns. Understanding phrases like “red herring” requires a cultural knowledge of English. Humor and irony are difficult to translate.
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- If possible, use the full (extended) alphabetic character set for names of persons, institutions, and places (e.g., Grønbæk, Lafrenière, Sánchez, Nguyễn, Universität, Weißenbach, Züllighoven, Århus, etc.). These characters are already included in most versions and variants of Times, Helvetica, and Arial fonts.

## Figures

The examples on this and following pages should help you get a feel for how screen-shots and other figures should be placed in the template. Your document may use color figures (see Figures 1), which are included in the page limit; the figures must be usable when printed in black and white.

You can use the `\includegraphics` command to insert figures in the (left) margin of the document (see Figure 2). Finally, be sure to make images large enough so the important details are legible and clear (see Figure 3). All figures should include alt text (figure description) for improved accessibility – see the Accessibility section.

## Tables

You may use tables inline with the text (see Table 1) or within the margin as shown in Table 2. Try to minimize the use of lines (especially vertical lines).  $\LaTeX$  will set the table font and captions sizes correctly; the latter must remain unchanged.

## Accessibility

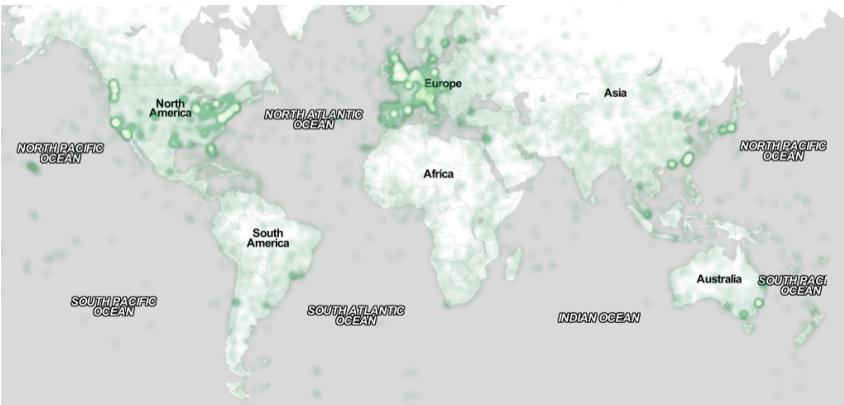
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- Generate a tagged PDF
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Unfortunately good tools do not yet exist to create tagged PDF files from  $\LaTeX$ .  $\LaTeX$  users will need to carry out all of the above steps in the PDF directly using Adobe Acrobat, after the PDF has been generated.

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**Figure 3:** In this image, the map maximizes use of space. You can make figures as wide as you need, up to a maximum of the full width of both columns. Note that  $\text{\LaTeX}$  tends to render large figures on a dedicated page. Image:   ayman on Flickr.

	First	Location
Child	22.5	Melbourne
Adult	22.0	Bogotá
Gene	22.0	Palo Alto
John	34.5	Minneapolis

**Table 2:** A simple narrow table in the left margin space.

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### Acknowledgements

We thank all the volunteers, publications support, staff, and authors who wrote and provided helpful comments on previous versions of this document. As well authors 1, 2, and 3 gratefully acknowledge the grant from NSF (#1234–2222–ABC). Author 4 for example may want to acknowledge a supervisor/manager from their original employer. This whole paragraph is just for example. Some of the references cited

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Your references should be published materials accessible to the public. Internal technical reports may be cited only if they are easily accessible and may be obtained by any reader for a nominal fee. Proprietary information may not be cited. Private communications should be acknowledged in the main text, not referenced (e.g., [Golovchinsky, personal communication]). References must be the same font size as other body text. References should be in alphabetical order by last name of first author. Use a numbered list of references at the end of the article, ordered alphabetically by last name of first author, and referenced by numbers in brackets. For papers from conference proceedings, include the title of the paper and the name of the conference. Do not include the location of the conference or the exact date; do include the page numbers if available.

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