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| http://www.csis.pace.edu/%7Ectappert/tappert/tappert.jpg |  | ***Charles C. Tappert, Ph.D.*** | | |
| ***Office:*** |  | *CSIS, Pace University, Goldstein Center 861 Bedford Road, Pleasantville NY 10570* E-mail: [*ctappert@pace.edu*](mailto:ctappert@pace.edu) *Phone: 914-773-3989 Fax: x3533*  [***Google Scholar Publication Citations***](http://scholar.google.com/citations?hl=en&user=6GOycGUAAAAJ&pagesize=100&view_op=list_works) |

Extensive experience in computer science, specializing in artificial intelligence, big data analytics, pattern recognition, machine learning, deep learning, brain modeling, biometrics, pen computing and speech applications, cybersecurity, forensics, and project management. Taught graduate and undergraduate courses, supervised dissertations, and secured government contracts. Over 100 peer reviewed publications in prestigious international journals and conferences.

**Education**

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| Ph.D. Electrical Eng., [**Cornell**](http://www.cornell.edu/), [**ECE**](http://www.ece.cornell.edu/) |  |  |  |  | [**Fulbright Scholar**](http://www.cies.org/), [**Royal Inst. Tech.**](http://www.kth.se/en), Stockholm |
| M.S. Electrical Eng., [**Cornell**](http://www.cornell.edu/), [**ECE**](http://www.ece.cornell.edu/) |  |  |  |  | B.S. Engineering Sciences, [**Swarthmore**](http://www.swarthmore.edu/) |

**Academic Experience**

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| [**Pace University**](http://www.pace.edu/)**,** [**Seidenberg School of CSIS**](http://www.pace.edu/seidenberg/)**, Computer Science Professor** | **2000-present** |
| Director, [**Doctor of Professional Studies (D.P.S.) in Computing Program**](http://www.pace.edu/seidenberg/seidenberg-programs/doctoral-programs/dps-for-computing-and-it-professionals/);    Director, [**Pervasive Computing Lab**](http://www.pace.edu/seidenberg/research/labs/pervasive-computing-lab); Supervised three M.S. Theses, thirty Doctoral Dissertations;   Teaches Machine Learning, Big Data Analytics, Capstone Projects, Dissertation Research, Emerging IT | |
| [**U.S. Military Academy**](http://www.usma.edu/)**, Computer Science Associate Professor** | **1993-2000** |
| Taught courses in Computer Graphics, Languages, Databases, Capstone Projects, Intro to Computing | |
| [**SUNY Purchase**](http://www.purchase.edu/) **and** [**Pace University**](http://www.pace.edu/)**, Adjunct Associate Professor** | **1990-1993** |
| Taught undergraduate courses in Computer Operating Systems and Data Structures |  |
| [**North Carolina State University**](http://www.ncsu.edu/)**, Computer Science Adjunct Assistant Professor** | **1968-1972** |
| Taught graduate courses in Machine Learning, supervised five M.S. Theses and three Ph.D. Dissertations | |

**Consulting/Research/Corporate Experience**

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| **Consultant: Wearable and Pen Computing, Handwriting Recognition, Patents** | **1992-present** |
| Expert consultant on patent infringement cases re pen computing/handwriting recognition (1997-present) | |
| [**Army Research Labs**](http://www.arl.army.mil/main/Main/default.cfm): Investigated the military potential of wearable computers (summers of 1996-1997) | |
| Gave seminars on online handwriting recognition at [**Apple Computer**](http://www.apple.com/)**,** [**Digital Equipment**](https://en.wikipedia.org/wiki/Digital_Equipment_Corporation)**,** [**CIC**](http://www.isignnow.com/cic-changes-name-isign) (1992-93) | |
| Improved IBM ThinkWrite handwriting recognizer and added European languages (1992-93, summer 94) | |
| **Research:** [**IBM Watson Lab**](http://www.research.ibm.com/)**: Pen Computing, Speech/Handwriting Recognition** | **1972-1992** |
| Spearheaded development of ThinkWrite handwriting recognizer in IBM's pen-enabled ThinkPad product | |
| Handwriting research project leader: supervised Post-Doctoral, co-op, and summer intern students | |
| A founding speech group member, developed systems to recognize discrete words and continuous speech | |
| **Research:** [**IBM**](http://www.ibm.com/) **Systems Division: Speech Recognition and Processing** | **1967-1972** |
| Secured government contracts, principal investigator on four Rome Air Development Center contracts which     led to the creation of the IBM Research Speech Group and IBM's continuous speech recognition systems | |